

# **Increasing Educational Capital in Central Massachusetts**

## **Higher Education's Partnerships with K-12 Schools**

**2004 Update**



 Colleges of Worcester Consortium, Inc.

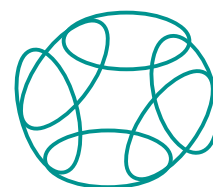
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# Increasing Educational Capital in Central Massachusetts

## Higher Education's Partnerships with Public Schools

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## Foreword: A Great Beginning

Those who are dubious of the possibilities inherent in school-college partnerships ought to take a look at Worcester. Schools and colleges in the area deserve plaudits for trying to share turf, which all too often educators around the country regard as sacred territory that others should not invade.

The list of partnership activities in Worcester is impressive in its extent and its variety. Projects range across a wide landscape—involving the career aspirations of students; health promotion; curricula in the humanities, social sciences and the arts; the science, math, engineering and technology pipeline; professional development of teachers; and other areas.

Clearly, this is a place where people recognize that the needs of students necessitate cooperation among those trying to serve them. Success at every level of education depends on the experiences of students at prior levels. Those who understand this simple proposition can better appreciate the benefits of collaboration.

I have not had the opportunity to visit and observe any of the Worcester partnership activities. I would be surprised, however, if I were to find that the Colleges of Worcester Consortium, Inc. has overcome all of the various impediments to collaboration that plague partnerships around the country. Thus, partners ought to ask themselves continually several questions against which they might gauge their progress:

- Are partners at the pre-collegiate level regarded and treated as equals?
- Are partnership activities institutionalized and *not* among the most likely items for reduction when budgets get tight?
- Does the faculty reward system at institutions of higher education give proper recognition for partnership involvement by candidates for promotion and tenure?

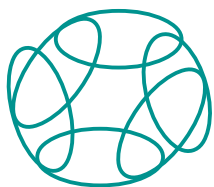
I offer this brief list of questions not to denigrate the fine efforts in Worcester, but to provide a way to seek improvement in what is obviously an outstanding effort. There seems to be a great deal of transparency in Worcester's partnership activities. The time is ripe for taking what could be just a collection of projects and weaving them into the fabric of the area's educational system so as to imbed them in a framework extending from pre-kindergarten through the bachelor's degree and even beyond.

### **Gene I. Maeroff**

Professor and Senior Fellow

Hechinger Institute on Education and the Media

Teachers College, Columbia University



## **Introduction:**

# **Developing Educational Capital through Partnerships**

### **Colleges of Worcester Consortium, Inc., Worcester Public Schools & Other K-12 Central Massachusetts School Districts**

The Colleges of Worcester Consortium, Inc. is pleased to provide the second summary of the wide array of academic partnerships between Consortium member institutions and the school districts of central Massachusetts for the year 2003-04. A report on school/college partnerships had been produced annually since 1990 by the Worcester Public Schools (WPS). The present report is a joint effort of the Consortium and the WPS to broaden the scope of information and establish an online database upon which to build future reports. The report is a work in progress, to which each Consortium institution has contributed and from which each has learned. It is meant to be a desk reference, providing information that will stimulate partnership ideas and offer successful models for adaptation or replication. The report is a stunning demonstration of the dividends paid for the combined investment of educational capital by Consortium colleges and their K-12 partners.

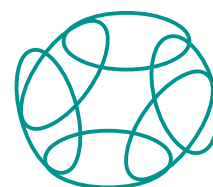
Partnership activities involve hundreds of university, college and school faculty members, thousands of university, college and K-12 students, and often the families of K-12 students. Partnership costs can be considerable, covered by partners' in-kind contributions and by federal, state and corporate and private foundation grants. While grants are often made either to higher education or to K-12 institutions, more and more, eligibility requires or is greatly enhanced by a higher education/K-12 partnership. Regardless of eligibility requirements, grant seeking takes talent, research, patience and persistence. And when grants are awarded, careful management and use of funds must be documented.

#### **Gale Nigrosh**

Development Specialist for Higher Education & Business Partnerships  
Worcester Public Schools

#### **Frederick Baus**

Chief Executive Officer  
Colleges of Worcester Consortium, Inc.



## About this Report

The information in this report was gathered through an online survey in fall 2003 of the 13 member institutions of the Colleges of Worcester Consortium, Inc. and updated in fall 2004. The entries describe partnerships between K-12 schools in the Central Massachusetts region and Consortium colleges and universities. While extensive, the list does not exhaust all points of contact and activities between the colleges and K-12 students and teachers/staff.

While entries have been edited for style, the accuracy of the information contained within may vary. Readers should seek verification of facts and further details through the contact persons listed after each program entry. Some programs fit more than one category or program type, but for space reasons are listed within only one category. Thus, a review of all categories is recommended.

The Consortium's Community Relations Committee was instrumental in compiling this report. Hearty thanks are extended to this group and those on their campuses who submitted information at their request. A list of the Committee members may be found at the end of this report, along with a list of member institutions and contact information.

The entire report may be found on the Consortium Web site at <http://www.cowc.org/News/Reports/>.

### **Cynthia W. Young**

Information Services Coordinator

Colleges of Worcester Consortium, Inc.

### **NOTE:**

Most abbreviations used in this directory are common and self-explanatory. Below are a few that bear definition.

AICUM	Association of Independent Colleges & Universities in Massachusetts
ALL School	Accelerated Learning Lab (a school in the Worcester Public Schools system)
Comm.	Community
MCB	Magnet Computer-Based (as in Chandler Street MCB School, also in the WPS system)
MS	Middle School



# Alternative Teacher Preparation

## Career Ladder Program

### Quinsigamond Community College

School District Partner: Worcester

Other Partner: Fitchburg State College

Quinsigamond Community College and Worcester Public Schools have inaugurated a Career Ladder Program with Fitchburg State College for WPS Instructional Assistants (IAs) interested in pursuing a college degree and Massachusetts Educator Licensure. The first enthusiastic cohort of 22 IAs began course work at QCC in June 2002.

**College Contact:** Dr. James Brown, Dean of Instruction for Math and Social Sciences; (508) 854-4324; [jbrown@qcc.mass.edu](mailto:jbrown@qcc.mass.edu); <http://www.qcc.mass.edu>

**District Contact:** Anthony Ingrisano, WPS Asst. Human Resources Manager; (508) 799-3027; [ingrisano@worc.k12.ma.us](mailto:ingrisano@worc.k12.ma.us); <http://www.wpsweb.com/>

## Central Massachusetts Writing Project

### Worcester State College

School District Partners: Worcester, Ashland, Fitchburg Public Schools

The Central Massachusetts Writing Project is the National Writing Project site for Worcester County and several adjacent communities. Following the NWP philosophy, teachers who are better writers are better teachers of writing, and through better writing, better teachers of their subject matter. The CMWP offers an intensive summer writing institute for teachers of grades K-12. In-service programs throughout the year continue this work and disseminate it through the school systems.

**College Contact:** Robert Walker, Chair - English Dept.; (508) 929-8577; [rwalker@worcester.edu](mailto:rwalker@worcester.edu); <http://www.worcester.edu/cmwp>

**District Contact:** James E. McDermott, Co-Director CMWP and English teacher at UPCS; (508) 799-3591; [mcdermottj@worc.k12.ma.us](mailto:mcdermottj@worc.k12.ma.us); <http://www.wpsweb.com/>

## Experience in the Deaf Community

### College of the Holy Cross

School District Partner: Worcester

Partner School: ALL School

A community-based learning course, this ASL/Deaf Studies seminar class at Holy Cross offers students the opportunity to apply

what they have learned in the classroom to the real world. Students engage in full language and cultural immersion within the deaf community, while offering additional support and assistance to the elementary school teacher.

**College Contact:** Judy Fask, Director - Deaf Studies; (508) 793-3344; [jfask@holycross.edu](mailto:jfask@holycross.edu); <http://www.holycross.edu>

## Holy Cross-Burncoat Collaborative, Academic Internships

### College of the Holy Cross

Primarily a Project of: Holy Cross-Burncoat Collaborative

School District Partner: Worcester

Partner School: Burncoat HS

Holy Cross students, through the Center for Interdisciplinary Studies or the Department of Education, complete various types of internships at Burncoat High School. The Holy Cross students spend 10 hours per week helping high school students and staff. They receive full class credit after attending a seminar and providing a written statement detailing their experience.

**College Contact:** Gary DeAngelis, Assoc. Dir. for Special Programs - Center for Interdisciplinary & Special Studies; (508) 793-2498; [gdeangel@holycross.edu](mailto:gdeangel@holycross.edu); <http://www.holycross.edu>

**District Contact:** Thomas Gibbons, Holy Cross-Burncoat Collab. Academic Liaison & Facilitator; (508) 853-0974; [tgibbons@holycross.edu](mailto:tgibbons@holycross.edu); <http://www.wpsweb.com/>

## Paraprofessional Empowerment Program

### Becker College

School District Partner: Worcester

The PEP Program, funded by a grant to Becker from the Mass. Board of Higher Educ., allows 20 paraprofessionals ("instructional assistants") in the Worcester Public Schools to enroll in courses at Becker College free of charge. PEP aims to improve student achievement by providing college-level programs to WPS paraprofessionals who have little or no college-level subject matter knowledge or pedagogical foundation. The program is designed to satisfy teacher quality requirements of the federal No Child Left Behind Act.

**College Contact:** Nina Mazloff, Professor - Early Childhood Educ.; (508) 791-9241 Ext. 574; [nmazloff@beckercollege.edu](mailto:nmazloff@beckercollege.edu); <http://www.beckercollege.edu>

**District Contact:** Anthony Ingrisano, WPS Asst. Human Resources Manager; (508) 799-3027; [ingrisanoa@worc.k12.ma.us](mailto:ingrisanoa@worc.k12.ma.us); <http://www.wpsweb.com/>



# Career Exploration

## Camp Reach

### Worcester Polytechnic Institute

School District Partners: Ashburnham, Auburn, Charlton, Dudley, Grafton, Holden, Lancaster, Leominster, Oakham, Princeton, Shrewsbury, Upton, Uxbridge, West Boylston, Winchendon, Worcester

This is a two-week, summer residential program for 30 rising 7th grade girls. The program is designed to teach girls about engineering and technology. Participants work on community projects. In 2004, campers came from public and private schools in several central Massachusetts communities and beyond. Campers pay tuition; scholarships are offered in cases of financial need. Female middle school teachers and high school students are hired as counselors and facilitators. WPI faculty and students teach.

**College Contact:** Stephanie Blaisdell, Director - Diversity & Women's Programs; (508) 831-5819; slb@wpi.edu; <http://www.wpi.edu/Admin/Diversity>

## EGuidance

### Colleges of Worcester Consortium, Inc.

Primarily a Project of: Worcester Public Schools

Partner Schools: Burncoat HS, Doherty Memorial HS, North HS, South High Comm. School, Worcester East MS, Worcester Vocational HS

EGuidance is a program implemented by Consortium staff and aimed at providing 9th and 10th graders with workshops and Web-based information relating to future careers. Training on the use of EGuidance is also provided to school staff and parents.

**College Contact:** Donna Connolly, Consortium Youth Services Coord.; (508) 798-0135; dconnolly@cowc.org; <http://www.cowc.org>

**District Contact:** Dennis Ferrante, WPS Adult, Career & Tech. Education Director; (508) 799-3090; ferrante@worc.k12.ma.us; <http://www.wpsweb.com/>

## GEMS

### (Girls in Engineering, Math and Science)

### Worcester Polytechnic Institute

School District Partners: Clinton, Fitchburg, Leicester, Lunenburg, Shrewsbury, Uxbridge, Webster, Westborough, Worcester

Other Partner: Intel Foundation

A one-week, residential hands-on program for high school girls that encourages them in the science, technology, engineering and mathematics fields. A \$200 tuition fee per student plus partner

contributions fund the program. Students from public and private schools in 40 Massachusetts communities (several outside of central Mass.) attended the 2004 event, as well as campers from 12 other states.

**College Contact:** Stephanie Blaisdell, Director - Diversity & Women's Programs; (508) 831-5819; slb@wpi.edu; <http://www.wpi.edu/Admin/Diversity>

## GEMS Jr.

### (Girls in Engineering, Math and Science)

### Worcester Polytechnic Institute

School District Partners: Worcester and others

A four-day, nonresidential hands-on program for middle school girls designed to introduce them to engineering and encourage them to consider the fields of science, technology, engineering and mathematics. In 2004, participants came from 18 towns in central Massachusetts.

**College Contact:** Suzanne Sontgerath, Program Coord. - Diversity & Women's Programs; (508) 831-5819; ssont@wpi.edu; <http://www.wpi.edu/Admin/Diversity>

## Groundhog Job Shadow Day

### Assumption College

Primarily a Project of: Junior Achievement

School District Partner: Worcester

Partner School: Forest Grove MS

Groundhog Job Shadow partners Assumption employees with students from Forest Grove Middle School for a morning of career exploration. Students learn about careers in an academic community, as well as the importance of a college education. They are also introduced to a college campus. This was the fifth year Assumption hosted students from Forest Grove Middle School.

**College Contact:** Heidi Paluk, Director - Public Affairs; (508) 767-7173; hpaluk@assumption.edu; <http://www.assumption.edu>

**District Contacts:** Donald Kelley, WPS North Quadrant Manager; (508) 799-3494; kelleyd@worc.k12.ma.us; and Maureen E. McCullough, Forest Grove MS Principal; (508) 799-3420; mcculloughm@worc.k12.ma.us; <http://www.wpsweb.com/forestgrove/home.htm>, <http://centralmass.ja.org/>

## Groundhog Job Shadow Day

### Quinsigamond Community College

Primarily a Project of: Junior Achievement

School District Partner: Worcester

Partner School: Burncoat MS

Continued . . .

For the second year, Groundhog Job Shadow paired QCC employees with students from Burncoat Middle School for a morning of career exploration. Students learned about careers in an academic community, the importance of a college education, and about campus life.

**College Contact:** Liz Woods, Director - Student Life & Sports Mgmt.; (508) 854-4294; lizw@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Lisa Houlihan, Burncoat MS Principal; (508) 799-3390; houlihanl@worc.k12.ma.us; <http://www.wpsweb.com>

## High School Health Careers Program

### UMass Medical School

School District Partners: Worcester, Barnstable, Brockton, Chelmsford, Clinton, Medford, New Bedford, Shrewsbury, Springfield, Taunton, Ware

High School Health Careers Program is a six-week, tuition-free summer program for high school sophomores and juniors interested in health careers. The program offers enrichment classes to improve the students' academic, communication and computer skills, and enhance their knowledge of science. The goal is to increase the number of under-represented students entering health care professions.

**College Contact:** (508) 856-2417; <http://www.umassmed.edu/outreach/hshcp.cfm>

## Introduce a Girl to Engineering Day

### Worcester Polytechnic Institute

School District Partners: Worcester and several other districts

A half-day program for girls in grades 10-12 designed to introduce them to engineering. Program includes panel discussions, hands-on activities and a campus tour. In 2004, students came from public and private schools in 22 Massachusetts cities and towns.

**College Contact:** Suzanne Sontgerath, Program Director – Diversity & Women's Programs; (508) 831-5819; [ssont@wpi.edu](mailto:ssont@wpi.edu); <http://www.wpi.edu/Admin/Diversity>

## Latina Achievers in Search of Success (LASOS)

### Worcester State College

Primarily a Project of: Latino Education Institute at WSC

School District Partner: Worcester

Partner Schools: Elm Park Comm. School, Chandler Magnet School

Other Partners: Hiatt Center for Urban Education at Clark University, Hoche Schofield Foundation, Kellogg Foundation

This program offers leadership training, mentoring and career exploration for Latina sixth-graders and their mothers.

**College Contact:** Maria DelRio, Exec. Director - Latino Education Institute; (508) 798-6507; [mdelrio@worchester.edu](mailto:mdelrio@worchester.edu); <http://www.fac.worcester.edu/LEI>

**District Contact:** James Caradonio, WPS Superintendent; (508) 799-3115; [caradonio@worc.k12.ma.us](mailto:caradonio@worc.k12.ma.us); <http://www.wpsweb.com/>

## Math & Science Technology Education Resource (MASTER) Program

### Worcester Polytechnic Institute

School District Partner: Worcester

Partner Schools: St. Mary's Junior-Senior HS, Doherty Memorial HS, South High Comm. School, St. Peter-Marian HS

The MASTER program is a collaboration between WPI and Worcester Higher Education Resource Center and is designed to maximize and compliment students' high school experience in the areas of mathematics and science. All activities are scheduled after school, and students are assigned a current WPI student-instructor, who helps the student with his or her classes and directs him or her toward high academic achievement.

**College Contact:** Calvin Hill, Director - Minority Affairs; (508) 831-5796; [chill@wpi.edu](mailto:chill@wpi.edu); <http://www.wpi.edu/Admin/MAO>

## National Engineers Week Celebration

### Worcester Polytechnic Institute

School District Partner: Districts in central Massachusetts

A half-day program for students of color in grades 10-12 to introduce them to engineering. The program includes panel discussions, hands-on activities and a campus tour. Students came from six Massachusetts communities to the 2004 event.

**College Contact:** Calvin Hill, Director – Minority Affairs; (508) 831-5796; [chill@wpi.edu](mailto:chill@wpi.edu); <http://www.wpi.edu/Admin/MAO>

## Project SCOPE

### UMass Medical School

Primarily a Project of: Girls Inc., EcoTarium, UMass Medical School

School District Partner: Worcester

Other Partners: Funded by EMC<sup>2</sup>, Massachusetts Cultural Council.

Project SCOPE fosters a continuing appreciation of and curiosity about science as girls advance through the middle school years. The objectives of the program are 1.) to encourage young women to develop their knowledge of science, 2.) to foster their leadership and communication skills, and 3.) to show them connections between science, their daily lives and their community.

Continued . . .

**College Contact:** Sandra Mayrand, Director - Regional Science Resource Center; (508) 856-5097; Sandra.Mayrand@umassmed.edu; <http://www.umassmed.edu/rsrc/outreach/scope.cfm>

**District Contact:** Fran Arena, NCLB Curriculum & Prof. Dev. Mgr.; (508) 799-3479; areafe@worc.k12.ma.us; <http://www.wpsweb.com/>

## Strive

### Worcester Polytechnic Institute

School District Partner: Worcester

Other Partner: Intel Foundation

A one-week residential, hands-on program for high school students of color to encourage them in the science, technology, engineering and mathematics fields. A \$200 tuition fee per student plus partner contributions fund the program. In 2004, participants came from ten states, including nine students from WPS and ten others from across Massachusetts.

**College Contact:** Calvin Hill, Director - Minority Affairs; (508) 831-5796; chill@wpi.edu; <http://www.wpi.edu/Admin/MAO>

## Strive Jr.

### Worcester Polytechnic Institute

School District Partner: Worcester

A four-day, nonresidential program for middle school students of color. This hands-on program introduces participants to engineering and encourages them to consider the fields of science, technology, engineering and mathematics. In 2004, students came from three Massachusetts communities, most from Worcester.

**College Contact:** Calvin Hill, Director - Minority Affairs; (508) 831-5796; chill@wpi.edu; <http://www.wpi.edu/Admin/MAO>

## Summer Tech

### Quinsigamond Community College

School District Partner: Worcester

Partner Schools: ALL School, South High Comm. School

The Summer Tech project was jointly executed by local high school teachers and QCC faculty. Two distinctive technology-focused curricula were offered, lasting three weeks with 12 student participants each. The programs focused on the following goals:

- attracting local students into technology-related career programs at QCC;
- exposing students to high-tech college programs and college services available to traditional college students;
- providing students with hand-on experience with technology that is similar to what they would experience working in a high-tech work environment;

- applying hands-on applications of math and language skills as they relate to technology;
- providing students with a take-home technology-related component to enable them to extend the fun-filled experience; and
- developing curriculum that the high school math and science teachers can take back to their classrooms and implement school-wide.

**College Contacts:** Adrienne Smith, Asst. Prof./Coord. - Electronics Technology; 508-854-4478; asmith@qcc.mass.edu; and Betty Lauer, Asst. Prof. - Computer Systems Engineering Technology/, Coord. - Computer Systems Engineering Technology Program; 508-8542765; blauer@qcc.mass.edu

**District Contact:** Fran Arena, NCLB Curriculum & Prof. Dev. Mgr.; (508) 799-3479; areafe@worc.k12.ma.us; <http://www.wpsweb.com/>

## Tech Prep Events

### Quinsigamond Community College

School District Partner: Worcester

- QCC hosted articulation/extension agreement meetings for Worcester Tech Prep Partners (high school to college). Programs included: early childhood education, health careers, applied arts and computer information systems.
- QCC also hosted "College Tech Prep Days" for over 225 senior and junior high school students from area schools.
- QCC Tech Prep participated in joint activities with the Women in Technology initiative, such as Project Uplink.

**College Contact:** Marci Skillings, Tech Prep Coord.; (508) 854-2755; mskillings@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Bob Krikorian, WPS Tech Prep Facilitator; (508) 799-3334; kirkorian@worc.k12.ma.us; <http://www.wpsweb.com/>

## Women in Science Conference

### UMass Medical School

School District Partner: Worcester

The Women in Science Conference introduces 150 Worcester middle school young women to careers in science and allows them to converse with local women who use science in their professions. Twelve 35-minute, concurrent scientist-facilitated workshops actively show the students how science is used in the workplace. The presenters explain different entry levels to their careers, provide tips on courses of study and ways to prepare and train for these professions.

**College Contact:** Sandra Mayrand, Director - Regional Science Resource Center; (508) 856-5097; Sandra.Mayrand@umassmed.edu; <http://www.umassmed.edu/rsrc/outreach/women.cfm>

**District Contact:** Fran Arena, NCLB Curriculum & Prof. Dev. Mgr.; (508) 799-3479; areafe@worc.k12.ma.us; <http://www.wpsweb.com/>

## Worcester Pipeline Collaborative

### UMass Medical School

School District Partner: Worcester

Partner Schools: North HS, Worcester East MS, Belmont St. Comm. School, City View School, Grafton St. School, Granite St. School, Multiple Intelligences School, Rice Square School, Roosevelt School, Union Hill School, Worcester Vocational HS

Other Partners: Plumley Village Homework Center, Quinsigamond Community College, UMass Graduate School of Nursing, Abbott Bioresearch Center, UMass Memorial Health Care Inc.

Worcester Pipeline Collaborative (WPC) seeks to increase the numbers of minority and other disadvantaged students entering careers in health care and biomedical research. WPC activities include mentoring, job shadowing, internships, tours, laboratory opportunities, after-school science programs, visiting scientists programs, academic support for students, and fostering parental involvement to enhance mathematics and science skills.

**College Contact:** Robert Layne, Program Coord. - Worcester Pipeline Collaborative; (508) 856-4559; Robert.Layne@umassmed.edu; <http://www.umassmed.edu/wpc>

**District Contact:** Donald Kelley, WPS North Quadrant Manager; (508) 799-3494; kelleyd@worc.k12.ma.us; <http://www.wpsweb.com/>

## Worcester Public Schools Career Fair

### Quinsigamond Community College

School District Partner: Worcester

Partner Schools: Burncoat HS, North HS, Worcester

QCC participates in career fairs held in Worcester Public Schools.

**College Contact:** Ronald Smith, Director - Admissions; (508) 854-4218; rons@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Sherrill McKeon, WPS Student & Staff Support Manager; (508) 799-3060; mckeons@worc.k12.ma.us; <http://www.wpsweb.com/>



## Early Childhood Education

## Advancing the Field

### Becker College

Other Partner: Private childcare centers in Worcester

The ultimate goal of the ATF program is to help early childhood paraprofessionals further their education and earn a college degree. A project director monitors the courses and grades of each student. ATF students also receive help preparing a resume, have

access to job referrals, the Colleges of Worcester Consortium Career Fair and a career resource library. This Massachusetts Department of Education grant will last for three years at a total of \$234,000.

**College Contact:** Nina Mazloff, Professor - Early Childhood Educ.; (508) 791-9241 Ext. 574; nmazloff@beckercollege.edu; <http://www.beckercollege.edu>



## Education Reform

## Mass. Coalition for Urban Teacher Quality and Student Achievement

### Clark University

School District Partners: Worcester, Boston, Springfield

Other Partners: Boston College, Lesley University, Northeastern University, UMass - Amherst, UMass - Boston, Wheelock College

In this program, begun with a five-year federal Title II Teacher Quality Enhancement grant, seven colleges and their respective school districts work together to develop new partnership models of urban teacher education and to foster student achievement.

**College Contact:** Marlene Shepard, Program Coord.; (508) 793-7222; mshepard@clarku.edu; <http://www.clarku.edu/departments/education>

**District URL:** <http://www.wpsweb.com/>

## Schools for a New Society Initiative

### Clark University

Partner: Worcester

Partner Schools: ALL School, Burncoat HS, Doherty Memorial HS, North HS, South High Comm. School, Univ. Park Campus School, Worcester Vocational HS

Clark is a local core partner in the Carnegie "Schools for a New Society" initiative, which addresses high school reform in five key areas: professional culture, academic curriculum and literacy, small learning communities, youth development, and family/community involvement.

**College Contact:** Tom DelPrete, Hiatt Center Director; (508) 793-7197; tdelprete@clarku.edu; <http://www.clarku.edu/departments/hiattcenter/wep/>

**District Contact:** Burt Vasquez, Manager of Secondary Initiatives; (508) 799-3116; vasqueza@worc.k12.ma.us; <http://www.wpsweb.com/>



## Education Research

### Learning Styles and Standardized Test Performance: An IQP Initiative

#### Worcester Polytechnic Institute

School District Partner: Worcester

A study was conducted of the Worcester Public Schools Class of 2003 with MCAS data organized by MBTI types and using data collected by WPS when the class was in its sophomore year. The results indicate a strong relationship between MCAS scores and the Sensing-Intuition dimension of the MBTI. It proved to be a promising way of identifying those at risk of failing the 10th grade MCAS exam, especially in combination with transcript data.

**College Contact:** John Wilkes, Assoc. Professor - Social Science & Policy Studies; (508) 831-5578; [jmwilkes@wpi.edu](mailto:jmwilkes@wpi.edu); <http://www.wpi.edu>

**District Contact:** Patricia Mostue, WPS Testing & Assessment Director; (508) 799-3019; [mostue@worc.k12.ma.us](mailto:mostue@worc.k12.ma.us); <http://www.wpsweb.com/>



## Engineering

### Engineering Pipeline Collaborative (EPiC)

#### Worcester Polytechnic Institute

School District Partner: Worcester

Partner Schools: Doherty Memorial HS, Forest Grove MS

WPI is the lead partner in EPiC, helping to develop a K-12 pre-engineering curriculum in the WPS Doherty Quadrant. College personnel working on this project include the director of K-12 outreach for WPI, the assistant provost and a professor who serves on the EPiC Board of Directors.

**College Contact:** Martha Cyr, Director - K-12 Outreach; (508) 831-6709; [mcyr@wpi.edu](mailto:mcyr@wpi.edu); <http://www.wpi.edu>

**District Contact:** Dennis Ferrante, WPS Adult, Career & Tech. Education Director; (508) 799-3090; [ferrante@worc.k12.ma.us](mailto:ferrante@worc.k12.ma.us); <http://www.wpsweb.com/>

### K-6 Gets a Piece of the PIEE (Partnerships Implementing Engineering Education)

#### Worcester Polytechnic Institute

School District Partner: Worcester

Partner Schools: Elm Park Comm. School, Midland St. School

Other Partner: National Science Foundation

Graduate fellows and undergraduate students majoring in engineering and related disciplines partner with WPS teachers to develop and implement engineering curricula for grades K-6 that address the newest Massachusetts Curriculum Framework for Science and Technology/Engineering.

**College Contact:** Jill Rulfs, Assoc. Professor - Biology & Biotechnology; (508) 831-5786; [jrulfs@wpi.edu](mailto:jrulfs@wpi.edu); <http://www.wpi.edu/Academics/PIEE/>

**District Contact:** Gale Nigrosh, WPS Higher Educ. & Business Partnerships Dev. Spec.; (508) 799-3082; [nigrosh@worc.k12.ma.us](mailto:nigrosh@worc.k12.ma.us); <http://www.wpsweb.com/>

### Worcester Regional Science & Engineering Fair

#### Worcester Polytechnic Institute

Primarily a Project of: Worcester Regional Science and Engineering Fair, Inc.

School Partners: 45 high schools & 14 middle schools in central Massachusetts

The Worcester Regional Science and Engineering Fair, held each year in WPI's Campus Center, is one of six regional fairs that are part of the Massachusetts State Science Fair. The fair supports and encourages research and experimentation among young people and provides an arena where students may proudly display the fruits of their labor and interact with the professional scientists and engineers who interview and evaluate each project. Participating students gain the confidence to pursue careers in the sciences.

**College Contact:** Martha Cyr, Director – K-12 Outreach; (508) 831-6709; [mcyr@wpi.edu](mailto:mcyr@wpi.edu); <http://www.wpi.edu>

**District Contact:** Nancy Degon, Auburn High School; (508) 832-7711; [ngdegon@charter.net](mailto:ngdegon@charter.net); <http://www.wrsef.org/>



## Grant Funding

### Mass Electric Grant Proposal Assistance

#### Becker College

Primarily a Project of: Elm Park Comm. School

School District Partner: Worcester

Other Partner: Mass. Electric Company

Becker helped Elm Park Community School secure a \$5,000 grant from Mass Electric for literacy programs.

**College Contact:** Gerald Tuori, Vice President - Institutional Advancement; (508) 791-9241 Ext. 256; [gtuori@beckercollege.edu](mailto:gtuori@beckercollege.edu); <http://www.beckercollege.edu>

**District Contact:** Ruthann Melancon, Elm Park School Principal; (508) 799-3568; [melanconr@worc.k12.ma.us](mailto:melanconr@worc.k12.ma.us); <http://www.wpsweb.com/>



## Health Promotion

### Fluoride Rinse

#### Quinsigamond Community College

School District Partner: Worcester

Other Partner: Mass. Dept. of Education

Over 1,400 Worcester Public School children are reaping the long-term benefits of The Fluoride Mouth Rinse Program thanks to the efforts of Quinsigamond Community College's Dental Hygiene Program students and faculty. The rinse program, an extension of the KidSeal project, brings preventive care to children in a city that currently does not fluoridate its community water supply.

**College Contact:** Joyce Cooney, Professor - Dental Hygiene; (508) 854-4325; joycec@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Sherrill McKeon, WPS Student & Staff Support Manager; (508) 799-3060; mckeons@worc.k12.ma.us; <http://www.wpsweb.com/>

### KidSeal

#### Quinsigamond Community College

School District Partner: Worcester

Partner Schools: Burncoat St. Prep. School, Grafton St. School, Granite St. School, Harlow St. School, Lincoln St. School, Union Hill School

Other Partners: Tenet Healthcare Foundation, Delta Dental, Fallon Foundation

Worcester elementary school children benefit from a unique dental care program administered at the Quinsigamond Community College Dental Clinic. Called KidSeal, the program targets low-income school children in 2nd grade who do not necessarily have access to regular dental care. The 2nd graders participate because they have newly erupted permanent molars, which have surface pits and fissures harboring bacteria and leading to tooth decay. The plastic material used in the process seals the pits and fissures, preventing bacteria build up. Along with the sealant, the children receive dental health promotion, dental cleaning and a fluoride treatment.

**College Contact:** Joyce Cooney, Professor - Dental Hygiene; (508) 854-4325; joycec@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Sherrill McKeon, WPS Student & Staff Support Manager; (508) 799-3060; mckeons@worc.k12.ma.us; <http://www.wpsweb.com/>

### Worcester Nursing Pipeline Consortium

#### UMass Worcester Graduate School of Nursing

School District Partner: Worcester and several other central Mass. communities

Other Partners: Becker College, Quinsigamond Community College, Worcester State College

This project uses multiple activities to advance the nursing profession. Current nursing students from Worcester's four nursing schools, who have been selected as "Fairlawn Scholars," visit area schools to promote better awareness and encourage young people to choose the profession. High school students are invited into the UMass Worcester Graduate School of Nursing and UMMHC to explore nursing career options, attending classes and shadowing nurses to learn about the variety of jobs in the nursing profession. The Worcester Nursing Pipeline Consortium (WNPC) works to increase enrollment, retention, graduation and academic advancement of prospective nursing students and nurses committed to improving health care in central Massachusetts by increasing access to all levels of nursing education, from RN preparation to master's and doctoral degree preparation and links nursing schools within Worcester and central Massachusetts to expedite career advancement among qualified and talented students.

**College Contact:** Lindsey Hall, Director - Recruitment & Retention, (508) 856-3488; <http://www.umassmed.edu/gsn/service/index.cfm>



## Humanities Curricula

### Classics Day

#### College of the Holy Cross

School District Partner: Worcester

Partner Schools: Burncoat HS, Doherty Memorial HS, North HS, South High Comm. School

Other Partner: Central Mass. and New England high schools

An annual event since 1971, Classics Day acquaints students with the Holy Cross Classics department, its faculty and current students. High school students from throughout New England participate in a variety of activities relating to the study of Roman culture, including chariot races, Roman trivia competitions and lectures.

**College Contact:** Toni Methe, Secretary - Classics Dept.; (508) 793-2547; tmethe@holycross.edu; <http://www.holycross.edu>

**District URL:** <http://www.wpsweb.com/>

### Humanities Scholars Collaborative

#### Assumption College, Clark University, College of the Holy Cross, Worcester State College

School District Partners: Worcester, Algonquin Regional, Auburn, Millbury, Sutton, Wachusett Regional

Four colleges participated in a series of four panel discussions on "Coming to America; Immigrants & Immigration" for the

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Humanities Scholars Collaborative (HSC). Each year HSC invites groups of 10 highly motivated high school students and their history teachers from schools in a number of area public school districts. The panels in the 2003-2004 school year, each held on one of the participating college campuses, explored the areas of “WWI and the End of the Victorians,” “Law, Women’s Work and Making an American Home,” “The Western Frontier in Film, Writings of 19th Century Immigrants, Caribbeans Come to Brooklyn,” and “Educating the New Citizen.”

**District Contact:** Gale Nigrosh, WPS Higher Educ. & Business Partnerships Dev. Spec.; (508) 799-3082; nigrosh@worc.k12.ma.us; <http://www.wpsweb.com/>



## Math/Science Curricula

### Blackstone Headwaters Hydrology Project

#### Nichols College

School District Partner: Worcester

Partner Schools: Flagg St. School, Roosevelt School

Other Partners: University Transportation Center at Assumption College, Broad Meadow Brook Mass. Audubon Sanctuary, Blackstone Headwaters Coalition

The project monitors flow in all of the significant Worcester brooks as an ongoing project to monitor stream quantity and quality, providing valuable information on the state of our streams, as well as increasing public education and involvement in these critical resources. WPS school students collect data on a daily basis from the waterways adjacent to their schools; the data are utilized in the project.

**College Contact:** Mauri Peltó, Professor; (508) 213-2168; peltoms@nichols.edu; <http://www.nichols.edu/headwaters/>

**District Contact:** Joseph Buckley, WPS Science Curriculum Liaison; (508) 799-3205; buckleyjw@worc.k12.ma.us; <http://www.wpsweb.com/>

### ChemShare: Scientific Experiment Lending Library and Resource Center

#### College of the Holy Cross

Primarily a Project of: ChemShare

School District Partner: Worcester

Partner Schools: ALL School, Midland St. School, West Tatnuck School

Other Partners: Funded by a Camille and Henry Dreyfus Special Grant in the Chemical Sciences, College of the Holy Cross

ChemShare is a resource for teachers in Worcester Public Schools, providing hands-on experiments for classrooms. Cur-

ricula-appropriate experiments are developed for students in K-12 and are delivered to classrooms as requested. Classroom assistance is provided upon request. WPS teachers provide input and feedback on content, design and assessment. This program also sponsors science shows and on-campus science experiments for visiting classrooms/students.

**College Contact:** Jane Van Doren, Assoc. Professor - Chemistry; (508) 793-3376; jvandore@holycross.edu; <http://www.holycross.edu>

**District Contact:** Patrick DeSantis, Elem. Math/Science Curric. Facilitator/Dir. - WPS Math/Science Resource Center; (508) 799-3210; desantisp@worc.k12.ma.us; <http://www.wpsweb.com/>

### Coe’s Pond Project

#### Assumption College

School District Partner: Worcester

Partner School: Columbus Park Prep. Academy

Through a Transportation & Environmental Education for the 21st Century Grant from the U.S. Department of Transportation, Assumption College awarded a grant to Columbus Park Preparatory Academy. The school designed a curriculum to explore the history and impact of urban development on Coe’s Pond and how it has affected the students’ environment.

**College Contact:** Kathleen Livingstone, SSJ, Interim Director - University Transportation Center; (508) 767-7585; klivings@assumption.edu; <http://www.assumption.edu/utc>

**District Contact:** Roger Clapp, Columbus Park Prep. Math/Science Facilitator; (508) 799-3490; clappr@worc.k12.ma.us; <http://www.wpsweb.com/columbuspark/home.htm>

### Concepts in Biology

#### Assumption College

School District Partner:

Partner School: Heard Street Discovery Academy

In its eleventh year, Assumption students and faculty continued working with Heard Street Discovery Academy. Fifth-graders are adopted each semester by Assumption students in the education lab section of “Concepts in Biology.” In addition to Assumption students visiting Heard Street students, Heard Street students also visit Assumption for hands-on science activities. And for a fourth year, Assumption students in the education concentration worked with 6th-graders in a “Light and Life” program.

**College Contact:** Prof. Patricia Reiser, Ph.D., Professor Emerita in Biology; (508) 767-7257; preiser@assumption.edu

**District Contact:** Susan Donahue, Science Teacher; (508) 799-3525

## Environmental Education

### Assumption College

School District Partner: Worcester

Partner School: Cider Mill School at Sullivan Middle School

Other Partner: EcoTarium

Through a Transportation & Environmental Education for the 21st Century Grant from the U.S. Department of Transportation, Assumption College awarded a grant to the Cider Mill School to support a collaborative process to create a place-based environmental education curriculum for the new “small” school at the middle school.

**College Contact:** Kathleen Livingstone, SSJ, Interim Director - University Transportation Center; (508) 767-7585; [klivings@assumption.edu](mailto:klivings@assumption.edu); <http://www.assumption.edu/utc>

**District Contact:** Russell Handsman, Public Programs, Exhibits & School Partnerships - EcoTarium; (508) 929-2700; [program@ecotarium.org](mailto:program@ecotarium.org); <http://www.ecotarium.org>

## Gap Junction

### Tufts University School of Veterinary Medicine

School District Partners: Grafton, Shrewsbury, Sutton, Westboro, Worcester

Partner Schools: ALL School, Burncoat MS, Floral St. ES, Forest Grove MS, Grafton MS, Sutton ES, Worcester East MS

More than 100 middle school children are learning hands-on science through a unique educational outreach program developed by Tufts University School of Veterinary Medicine. Coined “Gap Junction” after a biology term that means two cells have chemically connected, the program sends Tufts Veterinary School students into area public schools to share their knowledge of anatomy and cellular biology. Through case exercises and hands-on labs that use radiographs, x-rays, sonograms, microscopes and other scientific equipment, children learn how to diagnose illnesses and prescribe treatments, as well as gain knowledge about the musculoskeletal, digestive, respiratory and cardiovascular systems.

**College Contact:** Dr. MaryRose Paradis, Associate Prof. - Clinical Sciences; [maryrose.paradis@tufts.edu](mailto:maryrose.paradis@tufts.edu); 508-839-5395, ext. 84657; <http://vet.tufts.edu/>

## Green Machine Project

### Assumption College

School District Partner: Worcester

Partner School: Worcester Vocational HS

Other Partner: Manufacturing Assistance Found. (nonprofit fiscal agent acting on behalf of Worcester Vocational HS)

Through a Transportation & Environmental Education for the 21st Century Grant from the U.S. Department of Transportation, Assumption College awarded a grant to Worcester Vocational High School. The school created the “Green Machine Project,” which is

the basis for an integrated environmental curriculum centered on a mobile environmental lab providing students with the opportunity to study the effects of transportation on the environment.

**College Contact:** Kathleen Livingstone, SSJ, Interim Director - University Transportation Center; (508) 767-7585; [klivings@assumption.edu](mailto:klivings@assumption.edu); <http://www.assumption.edu/utc>

**District Contact:** Gail Hamm, Worcester Vocational HS Science Dept. Head; (508) 799-1980; <http://www.ecotarium.org>

## Hogwarts at Holy Cross

### College of the Holy Cross

School District Partners: Worcester, Wachusett Regional

Partner Schools: Canterbury St. MCB School, Goddard

School of Science & Technology, Naquag Elem. School (Rutland MA)

Other Partners: Funded by a Camille and Henry Dreyfus Special Grant in the Chemical Sciences, College of the Holy Cross

“Hogwarts at Holy Cross” is a program of science shows for the whole family. The program theme rotates between chemistry, physics, biology and math/computer science. It is advertised in Worcester and Wachusett Regional schools and is free to the general public. A highly interactive program, “Hogwarts at Holy Cross” features a variety of science demonstrations and experiments. This program is sponsored by ChemShare Lending Library and Resource Center and is supported by Holy Cross Science Ambassadors.

**College Contact:** Jane Van Doren, Assoc. Professor - Chemistry; (508) 793-3376; [jvandore@holycross.edu](mailto:jvandore@holycross.edu); <http://www.holycross.edu>

**District Contact:** Patrick DeSantis, Elem. Math/Science Curriculum Facilitator/Dir. - WPS Math/Science Resource Center; (508) 799-3210; [desantisp@worc.k12.ma.us](mailto:desantisp@worc.k12.ma.us); <http://www.wpsweb.com/>, <http://www.wrsd.net/>

## Massachusetts Academy of Mathematics & Science at WPI

### Worcester Polytechnic Institute

School District Partner: open to students from throughout Massachusetts

Other Partner: Commonwealth of Massachusetts

The Massachusetts Academy of Mathematics & Science at WPI is an 11th and 12th grade public high school for about 100 academically accelerated youths in Massachusetts. Math and science are emphasized within a comprehensive, interactive program. The rigor of the junior year classes exceeds high school honors and AP; seniors complete a year of college, taking the same classes as other students at WPI, thus making the academy the only public school in Massachusetts whose seniors attend a university fulltime. The

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academy, a collaborative effort among the Commonwealth of Massachusetts, Worcester Polytechnic Institute and the high schools of Massachusetts, sponsors academic workshops and camps for teachers during the school year and the summer in such areas as forensic science, math and technology, humanities and technology, and physics and technology; it is a certified host site for TI<sup>3</sup> and Flinn Scientific.

**College Contact:** Robert Salvatelli, Director – Massachusetts Academy of Math & Science at WPI; (508) 831-5859; mams@wpi.edu; <http://www.massacademy.org>

## Numeracy Institute

### Clark University

Primarily a Project of: The Jacob Hiatt Center for Urban Education  
School District Partner: Worcester

Partner Schools: ALL School, Burncoat HS, Doherty Memorial HS, North HS, South High Comm. School, Univ. Park Campus School, Worcester Vocational HS

This institute is designed especially for multidisciplinary teacher teams working in 9th and 10th grade. The Institute provides an introduction to ways of assessing students' needs; building their understanding of key concepts required for pre-algebra, algebra, geometry and trigonometry; and developing their overall number sense across the curriculum. Teachers consider ways to connect writing and numeracy to meet curriculum goals.

**College Contact:** Marlene Shepard, Program Coord.; (508) 793-7222; mshepard@clarku.edu; <http://www.clarku.edu/departments/education>

**District Contact:** Stephen Mills, WPS Deputy Superintendent; (508) 799-3017; millss@worc.k12.ma.us; <http://www.wpsweb.com/>

## Patriot Academy of Math & Science

### College of the Holy Cross

School District Partner: Worcester  
Partner School: Burncoat HS

The Patriot Academy of Mathematics and Science at Burncoat High School is the first small learning community to be created within this comprehensive high school. Holy Cross has assisted in the Academy's planning, has offered teacher training programs and faculty consultation and has provided supplies and equipment.

**College Contact:** Richard Herrick, Science Coord. & Assoc. Prof. - Chemistry; (508) 793-2490; rherrick@holycross.edu; <http://www.holycross.edu>

## Partnership with Burncoat Science Academy

### College of the Holy Cross

School District Partner: Worcester  
Partner School: Burncoat HS

Other Partners: Funded by a Camille and Henry Dreyfus Special Grant in the Chemical Sciences, College of the Holy Cross

Chemistry Science Shows demonstrating basic chemical and physical principles with exciting results.

**College Contact:** Richard Herrick, Professor - Chemistry; (508) 793-2490; rherrick@holycross.edu; <http://www.holycross.edu>

**District Contact:** Paul Villatico, Carnegie Small Schools Initiative Action Plan Facilitator (BHS); (508) 799-3300; villatico@worc.k12.ma.us; <http://www.wpsweb.com/>

## Riding through the Ages

### Assumption College

School District Partner: Worcester  
Partner School: New Ludlow School

Other Partner: University Transportation Center at Assumption College

Assumption College awarded a grant titled "Riding through the Ages" to WPS to support the development and implementation of curriculum for grades 4-6, making connections between the development of transportation and its effect on the environment throughout the century. The grant was funded by a Transportation & Environmental Education for the 21st Century Grant from the U.S. Department of Transportation. The University Transportation Center manages the DOT grant.

**College Contact:** Kathleen Livingstone, SSJ, Interim Director - University Transportation Center; (508) 767-7585; klivings@assumption.edu; <http://www.assumption.edu/utc>

**District Contact:** Carol Hoffman, New Ludlow School Teacher; (508) 799-3530; hoffman@worc.k12.ma.us; <http://www.wpsweb.com/newludlow/home.htm>

## Visiting Scientist/Mentor Program

### Assumption College

School District Partner: Worcester  
Partner School: Roosevelt School

The visiting scientists/mentors went to the Roosevelt School (elementary) twice a month to conduct hands-on science activities with all 5th graders. Working with the 5th-grade teachers and the science facilitator, the college faculty designed the activities to enhance the existing elementary school science curriculum. Activities focused on forces of gravity and air pressure, and included the study of flight, building planes and examining wing

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dynamics.

**College Contact:** Kimberly Schandel, Assoc. Professor - Biology & Chemistry; (508) 767-7467; kschande@assumption.edu; <http://www.assumption.edu>

**District Contact:** Mary Meade Montague, Roosevelt School Principal; (508) 799-3482; montaguemm@worc.k12.ma.us; <http://www.wpsweb.com/roosevelt/home.htm>

## Worcester Pipeline Collaborative Visiting Scientist/Mentor Program

### UMass Medical School

Primarily a Project of: UMass Medical School

School District Partner: Worcester

Partner School: Roosevelt School

Other Partners: Quinsigamond Community College, Abbott Bioresearch Center

The visiting scientists/mentors went to the Roosevelt School (elementary) twice a month to conduct hands-on science activities with all 4th graders. Working with the 4th grade teachers and the science facilitator, the college faculty designed the activities to enhance the existing elementary school science curriculum. Activities included studying the weathering of rocks, making tornados in bottles, identifying mystery powders, and studying forces such as friction by racing toy cars.

**College Contact:** Robert Layne, Program Coord. - Worcester Pipeline Collaborative; (508) 856-4559; Robert.Layne@umassmed.edu; <http://www.umassmed.edu/wpc>

**District Contact:** Mary Meade Montague, Roosevelt School Principal; (508) 799-3482; montaguemm@worc.k12.ma.us; <http://www.wpsweb.com/roosevelt/home.htm>



## Performing and Studio Arts

### Deaf Theater Residency Program

#### College of the Holy Cross

Primarily a Project of: First Night Worcester and collaborating theater artists

School District Partner: Worcester

Partner Schools: ALL School, Learning Center for the Deaf

Other Partner: Worcester's deaf community

The Deaf Theater Residency Program exemplifies the idea of community collaboration. Using sign language to communicate, school-age deaf and hard-of-hearing students work with the members of the Holy Cross ASL/Deaf Studies Program, deaf theater artists, and skilled educators to create a performance for First Night Worcester.

**College Contact:** Judy Fask, Director - Deaf Studies; (508) 793-3344; jfask@holycross.edu; <http://www.holycross.edu>

## Neighborhood Music Program

### Clark University

School District Partner: Worcester

Partner Schools: Goddard School, Univ. Park Campus School

This program, directed by Clark pianist Sima Kustanovich, offers free music lessons and instruments to local students on Saturdays. At the end of the year, a student concert is performed.

**College Contact:** Sima Kustanovich, Pianist; (508) 755-0610; skust@charter.net;

**District Contact:** Marian Guerra, Goddard School Principal; (508) 799-3594; guerram@worc.k12.ma.us; <http://www.wpsweb.com/>

## Student Programs for Urban Development (SPUD) Arts and Crafts

### College of the Holy Cross

School District Partner: Worcester

Partner School: City View School

Arts and crafts are part of an after-school childcare program for children in K-4th grade. Holy Cross students provide a craft each week in which all students can participate for entertainment and fun while they wait for their parents to pick them up.

**College Contact:** Marybeth Kearns-Barrett, Chaplains' Office; (508) 793-2448; mkearns@holycross.edu; <http://www.holycross.edu>

**District Contact:** Albert Ganem, City View School Principal; (508) 799-3670; ganema@worc.k12.ma.us; <http://www.wpsweb.com/>

## Visual and Performing Arts Collaborative

### Anna Maria College

Primarily a Project of: Burncoat High School

School District Partner: Worcester

Partner School: Burncoat HS

Anna Maria College completed the first year of collaboration with Burncoat High School in sponsorship of the Worcester Public Schools and the Visual Performing Arts Magnet. The collaboration incorporates specific activities to increase and enhance the postsecondary connections for those students designated as in the "Visual and Performing Arts." Students with teacher recommendation and high academic standing have the opportunity to earn college credits and apply for college scholarships.

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**College Contact:** Alice Lambert, Chair - Fine Arts; (508) 849-3442; [alambert@annamaria.edu](mailto:alambert@annamaria.edu); <http://www.annamaria.edu>

**District Contact:** Jonathan Rappaport, WPS Performing Arts Curriculum Liaison; (508) 799-3083; [rappaportj@worc.k12.ma.us](mailto:rappaportj@worc.k12.ma.us); <http://www.wpsweb.com/>

## Professional Development

### 4 Schools for WIE (Women In Engineering)

#### Worcester Polytechnic Institute

School District Partner: Worcester

Partner School: Forest Grove MS

Other Partner: National Science Foundation

This is an NSF grant-funded project to bring gender equitable engineering activities into the middle school science curriculum. An all-female team of teachers, undergraduate students, faculty and industry representatives are involved.

**College Contact:** Suzanne Sontgerath, Program Coord. - Diversity & Women's Programs; (508) 831-5819; [ssont@wpi.edu](mailto:ssont@wpi.edu); <http://www.wpi.edu/Admin/Diversity>

**District Contact:** Donald Kelley, Forest Grove MS Principal; (508) 799-3420; [kelleyd@worc.k12.ma.us](mailto:kelleyd@worc.k12.ma.us); <http://www.wpsweb.com/>

### Administration Certification Program

#### Worcester State College

School District Partners: Worcester, Blackstone Valley, Tantasqua Region

Offered to selected teachers, this program enables those who successfully complete the program of course work, internship and practicum to be certified by the Department of Education as building administrators.

**College Contact:** William Hosmer, Exec. Director - Center for Effective Instruction; (508) 929-8118; [hosmer@worcester.edu](mailto:hosmer@worcester.edu); <http://www.worcester.edu>

**District Contact:** Frances Arena, NCLB Curriculum & Prof. Dev. Mgr.; (508) 799-3479; [arenafe@worc.k12.ma.us](mailto:arenafe@worc.k12.ma.us); <http://www.wpsweb.com/>

### Curriculum & Knowing Summer Institutes

#### Clark University

Primarily a Project of: The Jacob Hiatt Center for Urban Education

School District Partner: Worcester

Partner Schools: Goddard School, Jacob Hiatt Magnet School, South High Comm. School, Sullivan MS, Univ. Park Campus School

The Jacob Hiatt Center for Urban Education again offered five "Curriculum & Knowing" summer institutes (arts, humanities, mathematics, physical and natural sciences). Worcester Public Schools teachers and Clark master's degree students participated. The program was tuition free to WPS teachers in Hiatt Center schools.

**College Contact:** Marlene Shepard, Program Coord.; (508) 793-7222; [mshepard@clarku.edu](mailto:mshepard@clarku.edu); <http://www.clarku.edu/departments/education>

**District Contact:** Stephen Mills, WPS Deputy Superintendent; (508) 799-3017; [millss@worc.k12.ma.us](mailto:millss@worc.k12.ma.us); <http://www.wpsweb.com/>

### Elm Park Summer Workshop

#### Becker College

Primarily a Project of: Elm Park Comm. School

School District Partner: Worcester

Partner School: Elm Park Comm. School

Becker routinely provided space in the college's Health and Sciences Building on its Worcester campus for a week-long summer workshop for Elm Park teachers.

**College Contact:** Gerald Tuori, Vice President - Institutional Advancement; (508) 791-9241 Ext. 256; [gtuori@beckercollege.edu](mailto:gtuori@beckercollege.edu); <http://www.beckercollege.edu>

**District Contact:** Ruthann Melancon, Elm Park School Principal; (508) 799-3568; [melanconr@worc.k12.ma.us](mailto:melanconr@worc.k12.ma.us); <http://www.wpsweb.com/>

### French River Education Center

#### Worcester State College

School District Partner: Worcester

This professional development program for teachers in the Worcester County area focuses on innovative programs and alternative approaches to teaching in the classroom.

**College Contact:** William Hosmer, Exec. Director - Center for Effective Instruction; (508) 929-8118; [hosmer@worcester.edu](mailto:hosmer@worcester.edu); <http://www.worcester.edu>

**Partner Contact:** Maddie Dudley, French River Education Center; (508) 987-0219; [mdudley@frec.org](mailto:mdudley@frec.org)

### High School Alliance

#### Worcester State College

School District Partners: Athol, Marlborough, Northboro, Northbridge, Palmer, Southbridge, West Boylston

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This program offers professional development opportunities to high school teachers in several central Massachusetts school districts to enhance the learning experience for high school students.

**College Contact:** William Hosmer, Exec. Director - Center for Effective Instruction; (508) 929-8118; whosmer@worchester.edu; <http://www.worchester.edu>

**District Contact:** Mary Contino, Northbridge HS

## Holy Cross-Burncoat Collaborative, “Voices of Diversity” Program College of the Holy Cross

Primarily a Project of: Holy Cross-Burncoat Collaborative

School District Partner: Worcester

Partner Schools: Burncoat MS, Burncoat HS

Twenty-four middle and high school teachers each spend two full days in seminars at Holy Cross studying the literature and culture of one of the ethnically diverse student groups they teach in the Worcester Public Schools. Each of the two seminars are led by a Holy Cross professor with expertise in a particular culture. Teachers prepare readings and spend the day as scholars at the College.

**College Contact:** David Lizotte, Director - Teacher Educ. Program; (508) 793-3058; dlizotte@holycross.edu; <http://www.holycross.edu>

**District Contact:** Thomas Gibbons, Holy Cross-Burncoat Collab. Academic Liaison & Facilitator; (508) 852-0974; tgibbons@holycross.edu; <http://www.wpsweb.com/>

## K-16 Curriculum Teams

### Clark University

Primarily a Project of: The Jacob Hiatt Center for Urban Education

School District Partner: Worcester

Partner Schools: Goddard School, Jacob Hiatt Magnet School, South High Comm. School, Sullivan MS, Univ. Park Campus School

K-16 Curriculum Teams in the arts, humanities, mathematics, physical and natural sciences, and history brought together Worcester Public Schools teachers and Clark faculty to study content and curriculum.

**College Contact:** Marlene Shepard, Program Coord.; (508) 793-7222; mshepard@clarku.edu; <http://www.clarku.edu/departments/education>

**District Contact:** Stephen Mills, WPS Deputy Superintendent; (508) 799-3017; millss@worc.k12.ma.us; <http://www.wpsweb.com/>

## Leadership and Administration Masters Cohorts

### Worcester State College

School District Partners: Worcester, Blackstone Valley, Tantasqua Region

Professional development program geared toward the development of school administrators.

**College Contact:** William Hosmer, Exec. Director - Center for Effective Instruction; (508) 929-8118; whosmer@worchester.edu; <http://www.worchester.edu>

**District Contact:** Lila Herman, WPS Quadrant Manager's Office; (508) 799-3499; hermanl@worc.k12.ma.us; <http://www.wpsweb.com/>

## Learning Communities for Middle School Math

### Worcester Polytechnic Institute

School District Partners: Worcester, Chicopee

This is a graduate-level program offered by WPI through funding from the Massachusetts Department of Education to provide professional development for teachers in middle school mathematics. Seven teachers from Worcester Public Schools participated in 2003-04.

**College Contact:** Martha Cyr, Director - K-12 Outreach; (508) 831-6709; mcyr@wpi.edu; <http://www.wpi.edu>

**Partner Contact:** Nancy Zamarro, Mathematics Curriculum Liaison; (508) 799-3367

## Literacy Development Institute

### Clark University

Primarily a Project of: The Jacob Hiatt Center for Urban Education

School District Partner: Worcester

Partner Schools: ALL School, Burncoat HS, Doherty Memorial HS, North HS, South High Comm. School, Univ. Park Campus School, Worcester Vocational HS

This institute is designed for teachers in core academic disciplines, especially for multidisciplinary teacher teams working in 8th, 9th and 10th grades. It focuses on adolescent literacy, reading comprehension in the disciplines, and writing development.

**College Contact:** Marlene Shepard, Program Coord.; (508) 793-7222; mshepard@clarku.edu; <http://www.clarku.edu/departments/education>

**District Contact:** Stephen Mills, WPS Deputy Superintendent; (508) 799-3017; millss@worc.k12.ma.us; <http://www.wpsweb.com/>

## Massachusetts Elementary Central Alliance (MECA)

### Worcester State College

School District Partners: Districts in central Massachusetts

MECA provides professional development opportunities for teachers in elementary and middle schools to enhance the learning process for students in Worcester County schools.

**College Contact:** William Hosmer, Exec. Director - Center for Effective Instruction; (508) 929-8118; whosmer@worchester.edu; <http://www.worchester.edu>

**District Contact:** Susan Pikor, Marlboro MS

## Massachusetts Initiative for New Teachers

### Worcester State College

School District Partner: Worcester

Other Partner: Mass. Dept. of Education

The Massachusetts Initiative for New Teachers is a professional development program specifically geared toward improving and widening the skills of new teachers.

**College Contact:** William White, Dean - Graduate & Continuing Educ.; (508) 929-8811; wwhite@worchester.edu; <http://www.doemass.org.mint>

**District Contact:** Mark Brophy, WPS Human Resources Dept.; (508) 799-3027; brophym@worc.k12.ma.us; <http://www.wpsweb.com/>

## Mathematics in Industry Institute for Teachers

### Worcester Polytechnic Institute

Other Partner: National program funded by GE Foundation

The Mathematics in Industry Institute supports 80 high school teachers to help them develop projects for the classroom. The projects come from real-world problems provided by the industrial partners of the Center for Industrial Mathematics and Statistics at WPI. The goal of the program is to motivate women and under-represented minorities to take advanced mathematics courses while in middle and high school and to pursue careers in mathematics, engineering, information technology or finance/economics. The teachers participate in professional development activities related to the use of mathematics in the real world and gender and minority issues in mathematics education. WPS teachers are eligible to apply to this program.

**College Contact:** Bogdan Vernescu, Professor & Head - Mathematical Sciences; (508) 831-5241; vernescu@wpi.edu; <http://www.wpi.edu/+CIMS/teachers>

## Museum Institute for Teaching Science

### Worcester State College

School District Partner: Worcester

Other Partners: Higgins Armory Museum, Old Sturbridge Village, EcoTarium, Worcester Art Museum, Tower Hill Botanic Gardens

The Museum Institute for Teaching Science provides professional development opportunities for K-8 teachers in Massachusetts, focusing on technology, engineering, mathematics and science.

**College Contact:** William White, Dean - Graduate & Continuing Educ.; (508) 929-8811; wwhite@worchester.edu; <http://www.worchester.edu>

**District Contact:** Joseph Buckley, WPS Science Curriculum Liaison; (508) 799-3205; buckleyjw@worc.k12.ma.us; <http://www.wpsweb.com/>

## National Consortium for Teaching about Asia

### Clark University

Primarily a Project of: Teachers' Center for Global Studies

School District Partners: Worcester, Ashburnham, Bolton, Harvard, Leominster, Sturbridge, Westhampton

Partner Schools: Mass Academy of Math & Science, Burgess Elem. School, Samoset MS, Greenfield MS, Hampshire Regional HS, Bromfield School, Athol HS, Overlook MS, Nashoba Regional HS, Cushing Academy

Thirty-hour seminar on East Asia for middle and high school teachers.

**College Contact:** Mimi Stephens, Director - Teachers Center; (508) 793-7696; mstephens@clarku.edu; <http://www.nctasia.org>

## New Teachers Orientation

### Worcester Public Schools

Primarily a Project of: Worcester Public Schools

Other Partners: Anna Maria College, Assumption College, Cambridge College, Clark University (Teachers' Center for Global Studies), Curry College, Fitchburg State College, Worcester Polytechnic Institute, Worcester State College

This event is held annually prior to the start of the academic year for newly hired WPS teachers to acquaint them with graduate course offerings and professional development opportunities at area educational institutions and cultural organizations.

**District Contact:** Mark Brophy, WPS Asst. Human Resources Manager; (508) 799-3027; brophym@worc.k12.ma.us; <http://www.wpsweb.com/>

## NCLB Intervention Teacher Training

### Assumption College

School District Partner: Worcester

Assumption College hosted the 2003-04 No Child Left Behind (NCLB) Intervention Teacher Trainings for WPS teachers. Ten full-day trainings were conducted throughout the year.

**College Contact:** Mark Bilotta, Executive Assistant to the President; (508) 767-7323; mbilotta@assumption.edu

**District Contact:** Joanne Marcone, (508) 799-3677

## Old Sturbridge Village Program for Teachers

### Worcester State College

School District Partner: Douglas, Dudley-Charlton, Mendon-Upton, Millbury, Northboro-Southboro, Northbridge, Spencer-East Brookfield, Sutton, Tantasqua, Ware

Other Partner: Old Sturbridge Village

This professional development program offers workshops to enhance the teaching skills of those teaching history and focusing on early American History.

**College Contact:** William Hosmer, Exec. Director - Center for Effective Instruction; (508) 929-8118; whosmer@worchester.edu; <http://www.worchester.edu>

**District Contact:** Bette Lotterman; (508) 347-3362

## Provider of Graduate Courses in Response to Identified Needs

### Worcester State College

School District Partners: Worcester, Blackstone-Millville, Douglas, Grafton, Hopedale, Mendon-Upton, Millbury, Sutton

Courses are provided to teachers that will enhance their instructional competencies. The content of each course is based on a needs-assessment administered to the teaching population of the communities involved. The needs assessment is used toward Certification in Administration.

**College Contact:** William Hosmer, Exec. Director - Center for Effective Instruction; (508) 929-8118; whosmer@worchester.edu; <http://www.worchester.edu>

## Regional Science Resource Center UMass Medical School

School District Partners: Worcester, and school systems serving 83 other Massachusetts communities

Other Partners: Intel Foundation, Noyce Foundation, National Science Foundation, Eisenhower Regional Alliance at TERC

The Regional Science Resource Center provides: professional development opportunities for K-12 teachers and administrators and pre-service students in mathematics and science; technical assistance to districts implementing standards-based math and science programs; a state-of-the-art laboratory space for teacher and student use; and the loan of scientific materials and supplies to support inquiry-based investigations in the classroom. Students come from WPS and 83 other school districts in central Massachusetts and beyond.

**College Contact:** Sandra Mayrand, Director - Regional Science Resource Center; (508) 856-5097; Sandra.Mayrand@umassmed.edu; <http://www.umassmed.edu/rsrc>

## Research Experience for Teachers in Industrial Mathematics

### Worcester Polytechnic Institute

School District Partner: Worcester

Partner School: WPS High Schools

Other Partner: National Science Foundation

The RET supports two high school teachers for two summer months to work on research topics in industrial mathematics. The teachers develop projects for the classroom that come from real-world problems provided by the industrial partners of the Center for Industrial Mathematics and Statistics at WPI. Teachers from WPS are eligible to apply.

**College Contact:** Arthur Heinricher, Assoc. Professor - Mathematical Sciences; (508) 831-5397; heinrich@wpi.edu; <http://www.wpi.edu/+CIMS>

## TELL Grant Program

### Worcester State College

School District Partner: Worcester

The project has developed a coordinated and systematic model for training teachers of all disciplines to better meet the needs of students who have limited English proficiency. Project activities address all levels of teacher training: pre-service, in-service educators and College faculty. Key features are a vertical collaboration model that connects the public schools and the College; the establishment of a district-wide support service team of veteran ESL and bilingual teachers specializing in the needs of LEP students; the institutionalization of changes in pre-service preparation; and techniques for connecting with parents.

**College Contact:** Margarita Perez, Program Director & Educ. Dept. Faculty; (508) 929-8609; mperez@worchester.edu; <http://www.worchester.edu>

**District Contact:** Rita Bonofilio, WPS Bilingual Education Director; (508) 799-3098; bonofilio@worc.k12.ma.us; <http://wpsweb.com>

## The Education Cooperative (TEC)

### Worcester State College

School District Partner: Wellesley

TEC provides professional development opportunities for teachers in the Wellesley, Natick, Wayland, Holliston, Walpole, Norwood, Dedham, Dover-Sherborn, Lincoln and Holliston school districts.

**College Contact:** William Hosmer, Exec. Director - Center for Effective Instruction; (508) 929-8118; whosmer@worchester.edu; <http://www.worcester.edu>

**District Contact:** Elizabeth Gilbert; (781) 237-3028; tec@tec-coop.org; <http://www.tec-coop.org>



## Professional Development Schools

### Adjunct Faculty Training

#### Anna Maria College

School District Partner: Worcester

Partner School: City View School

The Professional Development School Collaborative with City View School completed its 12th consecutive year. This professional development partnership with Anna Maria College and City View School continues with an ongoing discussion regarding adjunct faculty training of City View teachers and administrators. The training of City View partners will prepare them to supervise pre-service teachers in their practicum placements.

**College Contact:** Christine Holmes, Director - Educ. Programs; (508) 849-3418; cholmes@annamaria.edu; <http://www.annamaria.edu>

**District Contact:** Albert Ganem, City View School Principal; (508) 799-3670; ganema@worc.k12.ma.us; <http://www.wpsweb.com/>

### K-16 Professional Development School Collaborative

#### Clark University

Primarily a Project of: The Jacob Hiatt Center for Urban Education

School District Partner: Worcester

Partner Schools: Goddard School, Jacob Hiatt Magnet School, South High Comm. School, Sullivan MS, Univ. Park Campus School

Five South Quadrant schools continue to work closely with the Jacob Hiatt Center for Urban Education in a K-16 Professional Development School Collaborative. The Center offers Worcester Public School teachers summer institutes, courses with tuition remission, a master's degree in urban education and a Master of

Arts in Teaching degree, as well as opportunities to engage in teacher research.

**College Contact:** Marlene Shepard, Program Coord.; (508) 793-7222; mshepard@clarku.edu; <http://www.clarku.edu/departments/education>

**District Contact:** Stephen Mills, WPS Deputy Superintendent; (508) 799-3017; millss@worc.k12.ma.us; <http://www.wpsweb.com/>

### Professional Development School (PDS) Collaborative

#### Worcester State College

School District Partner: Worcester

Partner Schools: Chandler Magnet School, May St. School, Tatnuck Magnet School, Belmont St. Comm. School, ALL School

Originally funded in part through a Goals 2000 Grant, Worcester State College and Worcester Public Schools entered into a partnership, the Professional Development School Collaborative, to improve the education of prospective elementary teachers, while providing professional development opportunities for public school personnel working at the partner schools. There are five components to the project:

- The Clinical Professor is a WPS teacher from one of the PDS partner schools and serves as a faculty member in the Education Department at WSC.
- The Pre-practicum component is offered to WSC Elementary and Early Childhood students and held in one or all of the PDS locations.
- Elementary Science Methods classes are held at Chandler Magnet School in the WPS Math/Science Resource Center. Instruction includes presentation of lessons to students in the school at every grade level.
- Student teaching Professional Development Days are held weekly in a "rounds" format during which topics important to educators are presented to students.
- Concurrent seminars for student teachers are held at the college each week. Topics of study and discussion include current issues in education. This is a 3-credit course and required of all student teachers in the program.

**College Contact:** Elaine Tateronis, Education Dept. Chair; (508) 929-8823; etateronis@worchester.edu; <http://www.worcester.edu>

**District Contact:** Ivone Perez, Chandler Magnet School Principal; (508) 799-3452; pereziv@worc.k12.ma.us; <http://www.wpsweb.com/>

## Professional Development School Collaborative Clark University

Primarily a Project of: The Jacob Hiatt Center for Urban Education  
School District Partner: Worcester

Partner School: South High Comm. School

The key development in the PDS Collaborative is the integration of high school reform and collaborative teacher preparation at South High. As South High creates a set of small learning communities with help from the Jacob Hiatt Center for Urban Education, Clark master's degree students will work in teams with newly-formed teacher teams. They will support the introduction of new instructional strategies designed to foster literacy and numeracy development.

**College Contact:** Marlene Shepard, Program Coord.; (508) 793-7222; mshepard@clarku.edu; <http://www.clarku.edu/departments/education>

**District Contact:** Stephen Mills, WPS Deputy Superintendent; (508) 799-3017; millss@worc.k12.ma.us; <http://www.wpsweb.com/>

## Professional Development School Governance Committee College of the Holy Cross

School District Partner: Worcester

Partner Schools: Burncoat HS, Burncoat MS

The committee acts as an advisory board for Professional Development School initiatives and monitors the College's Teacher Education Program (TEP). This committee is comprised of Holy Cross and Worcester Public Schools faculty and administrators.

**College Contact:** David Lizotte, Director - Teacher Educ. Program; (508) 793-3058; dlizotte@holycross.edu; <http://www.holycross.edu>

**District Contact:** Thomas Gibbons, Holy Cross-Burncoat Collab. Academic Liaison & Facilitator; (508) 852-0974; tgibbons@holycross.edu; <http://www.wpsweb.com/>

## Teaching of Poetry College of the Holy Cross

School/District Partner: Worcester Public Schools

Other Partner School: Nativity School of Worcester

Taught by two Holy Cross English professors, the Teaching of Poetry is a week-long program for Worcester Public School teachers to learn how to more effectively teach poetry to their students. Funded by a grant from the Verizon Foundation.

**College Contacts:** James Kee, Associate Professor - English; 508-793-2692; jkee@holycross.edu; <http://www.holycross.edu>; and

Robert Cording, James N. and Sarah L. O'Reilly Barrett Chair in Creative Writing - English; 508-793-2700; rcording@holycross.edu; <http://www.holycross.edu>

**District Contact:** Gale Nigrosh, WPS Higher Educ. & Business Partnership Dev. Spec.; 508-799-3082; nigrosh@worc.k12.ma.us

## The University Park Campus School Clark University

School District Partner: Worcester

The University Park Campus School (grades 7-12), a unique collaborative of the WPS and Clark University, graduated its first class in June 2003. The school focuses on preparing neighborhood and disadvantaged students for higher education through demanding curriculum, high expectations, honors and college-level courses, and a committed principal, teachers and staff.

**College Contact:** Marlene Shepard, Program Coord.; (508) 793-7222; mshepard@clarku.edu; <http://www.clarku.edu/departments/education>

**District Contact:** James Caradonio, WPS Superintendent; (508) 799-3117; caradonio@worc.k12.ma.us; <http://www.wpsweb.com/>



## Reading/Writing/ Literature/Literacy

### Book Buddies

#### Assumption College

Primarily a Project of: Reach Out Center of Assumption College

School District Partner: Worcester

Partner School: Columbus Park Prep. Academy

Reading to children ages 5-7, one-on-one.

**College Contact:** Debbie Lynch, Director - Reach Out Center; (508) 767-7142; delynch@assumption.edu; <http://www.assumption.edu>

**District Contact:** Frances Arena, NCLB Curriculum & Prof. Dev. Mgr.; (508) 799-3479; Arenafe@worc.k12.ma.us; <http://www.wpsweb.com/>

## Learning to Write/Writing to Learn Institute

### Clark University

Primarily a Project of: The Jacob Hiatt Center for Urban Education

School District Partner: Worcester

Partner Schools: Goddard School, Jacob Hiatt Magnet School, South High Comm. School, Sullivan MS, Univ. Park Campus School

Continued . . .

The Jacob Hiatt Center for Urban Education hosted a Learning to Write, Writing to Learn Institute in August 2003. This K-12 institute is based on the idea that writing is an integral part of learning and all students can develop as writers. It enabled teachers to develop ways to foster students' development as writers with an emphasis on the "writers' workshop" approach.

**College Contact:** Marlene Shepard, Program Coord.; (508) 793-7222; mshepard@clarku.edu; <http://www.clarku.edu/departments/education>

**District Contact:** Stephen Mills, WPS Deputy Superintendent; (508) 799-3017; millss@worc.k12.ma.us; <http://www.wpsweb.com/>

## Martin Luther King Youth Breakfast

### Worcester State College

School District Partner: Worcester

This program offers an opportunity for cultural and artistic exposure for those who otherwise might not enjoy this opportunity. Performing art is one aspect of the program which includes student performances. Another part of the program involves a poetry contest that encourages development in reading, writing and literacy on a whole.

**College Contact:** Edna Spencer, Director - Diversity/Affirmative Action; (508) 929-8117; espencer@worcester.edu; <http://www.worcester.edu>

**District Contact:** Frances Arena, NCLB Curriculum & Prof. Dev. Mgr.; (508) 799-3479; Arenafe@worc.k12.ma.us; <http://www.wpsweb.com/>

## Secondary Literacy Development

### Clark University

Primarily a Project of: The Jacob Hiatt Center for Urban Education

School District Partner: Worcester

Partner Schools: ALL School, Burncoat HS, Doherty Memorial HS, North HS, South High Comm. School, Univ. Park Campus School, Worcester Vocational HS

The Jacob Hiatt Center for Urban Education provided the conceptual framework for the new emphasis on literacy development at the high school level, as well as ongoing support for the newly designated high school literacy coaches in the district during the academic year.

**College Contact:** Marlene Shepard, Program Coord.; (508) 793-7222; mshepard@clarku.edu; <http://www.clarku.edu/departments/education>

**District Contact:** Stephen Mills, WPS Deputy Superintendent; (508) 799-3017; millss@worc.k12.ma.us; <http://www.wpsweb.com/>

## Student Programs for Urban Development (SPUD) Storytelling

### College of the Holy Cross

School District Partner: Worcester

Partner School: Quinsigamond School

Holy Cross student volunteers are assigned a K-6 classroom at Gates Lane or Quinsigamond School. Students attend the same classroom each week and help the classroom teacher by reading a story to the children, working on art projects, or helping a child one on one.

**College Contact:** Marybeth Kearns-Barrett, Chaplains' Office; (508) 793-2448; mkearns@holycross.edu; <http://www.holycross.edu>

## Thurgood Marshall Celebration Dinner

### Worcester State College

School District Partner: Worcester

Other Partner: Human Rights Commission

This event provides students with an opportunity for development in reading, writing and literacy through the implementation of an essay contest focusing on the life of Thurgood Marshall. Prizes are awarded, adding to the incentive for participation.

**College Contact:** Edna Spencer, Director - Diversity/Affirmative Action; (508) 929-8117; espencer@worcester.edu; <http://www.worcester.edu>

**District Contact:** Frances Arena, NCLB Curriculum & Prof. Dev. Mgr.; (508) 799-3479; Arenafe@worc.k12.ma.us; <http://www.wpsweb.com/>



## School/College Preparedness

## Admissions Early Awareness Program

### Worcester State College

School District Partner: Worcester

Partner Schools: Burncoat HS, Burncoat St. Prep. School, Chandler Elem. School, Doherty Memorial HS, Forest Grove MS, May St. School, North HS, South High Comm. School, Sullivan MS

This program enables students in public elementary and middle schools to become aware of higher education and its influence on the potential for improved life choices.

**College Contact:** Jay Tierney, Dean - Enrollment Management; (508) 929-8040; jtierney@worcester.edu; <http://www.worcester.edu>

**District Contact:** Frances Arena, NCLB Curriculum & Prof. Dev. Mgr.; (508) 799-3479; Arenafe@worc.k12.ma.us; <http://www.wpsweb.com/>

## Annual Guidance Counselor Breakfast Quinsigamond Community College

School District Partner: Worcester

Partner Schools: Burncoat HS, Doherty Memorial HS, North HS, South High Comm. School, Worcester Vocational HS

Breakfast meetings with feature presentations are held at which central Massachusetts guidance directors are briefed by Quinsigamond Community College staff and faculty on campus life and programs. The meetings are part of the College's ongoing commitment to keep high school personnel informed of issues important to students, parents and employers.

**College Contact:** Daniel de la Torre, Jr., Senior Comm. Outreach Counselor; (508) 854-4404; delatorre@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Sherrill McKeon, WPS Student & Staff Support Manager; (508) 799-3061; mckeons@worc.k12.ma.us; <http://www.wpsweb.com/>

## AVID (Advancement Via Individual Determination) Worcester Public Schools

College Partners: Clark University, Quinsigamond Community College, Worcester Polytechnic Institute, Worcester State College

Partner Schools: ALL School, Doherty Memorial HS, North HS, South High Comm. School, Worcester Vocational HS, Sullivan MS, Worcester East MS, Forest Grove MS, Burncoat MS & HS

The four partner institutions committed work-study and other students to be trained and work as AVID tutors for 7th-12th graders. Weekly group tutoring at school sites strengthens students' curriculum content mastery and preparedness for postsecondary education.

**College Contact:** Adriane van Gils, Director - Community Engagement & Volunteering Center; (508) 421-3704; [avangils@clarku.edu](mailto:avangils@clarku.edu); <http://www.clarku.edu>

**District Contact:** Rich Houlihan, AVID District Coordinator; (508) 799-3283; [houlihanr@worc.k12.ma.us](mailto:houlihanr@worc.k12.ma.us); <http://www.wpsweb.com/>

## Bruce Wells Scholars Upward Bound Program

### Clark University

Primarily a Project of: YOU, Inc. (Youth Opportunities Upheld)

School District Partner: Worcester

Partner Schools: ALL School, Burncoat HS, Doherty Memorial HS, North HS, South High Comm. School, Univ. Park Campus School

During the Academic Year Component, program administrators support student academic achievement and success; assist high school students with academic, college and career planning; and support families with college planning. Information is provided

about the financial aid process, and students visit the campuses of four-year colleges and universities.

The Summer Component is a five-week academic enrichment program held at Clark. Students stay in Clark University residence halls, serve as paid interns at work sites throughout Worcester, and take courses at Clark. Students also visit cultural attractions and some of New England's finest four-year colleges and universities.

**College Contact:** Thomas Massey, Dean - COPACE; (508) 793-7408; [tmassey@clarku.edu](mailto:tmassey@clarku.edu); <http://www.clarku.edu>

**District Contact:** Jeffrey Faulkerson, YOU Inc. Project Director; (508) 770-0511 Ext. 137; [faulkersonj@youinc.org](mailto:faulkersonj@youinc.org); <http://www.youinc.org>

## Careers Plus

### Colleges of Worcester Consortium, Inc.

School District Partner: Worcester

Partner School: Worcester Vocational HS

Careers Plus works with approximately 600 low-income students in grades 9-12, providing supportive services to enable them to graduate and enroll in postsecondary programs. This program is the only one of its kind in a vocational high school, funded by the MA Board of Higher Education. Additional resources are also provided by Worcester Public Schools. Services include career awareness, academic and cultural support, and significant help with the college admission and financial aid processes.

**District Contact:** Donna Connolly, Consortium Youth Services Coord.; (508) 798-0135; [dconnolly@cowc.org](mailto:dconnolly@cowc.org)

## College Institute

### Assumption College

School District Partner: Worcester

Partner Schools: Burncoat HS, Doherty Memorial HS, North HS, South High Comm. School, Holy Name HS, St. John's HS

Other Partner: YMCA of Greater Worcester (Minority Achievers Program)

Assumption College, Worcester Public Schools and the YMCA of Greater Worcester have collaborated on a week-long academic experience for high school juniors. The goal of the program has been the opportunity for the students to become familiar with and motivated by college life. This "College Institute" acquaints participants with the educational and social components of college life and helps dispel the myth that college might be unattainable. The program has been in existence since 2001, with Assumption serving 20 high school juniors in the summer of 2004. The schedule for the week dictates that all student participants be exposed to a series of workshops and mock classes designed to introduce them to a variety of academic disciplines and expose them to a number of key areas such as Writing for College,

Continued . . .

Admissions, Financial Aid, Time Management, and Career Exploration.

**College Contact:** Mario Silva, Director of Multicultural Affairs / Associate Director of Admissions; (508) 767-7100; [silva@assumption.edu](mailto:silva@assumption.edu).

## College Planning Panel - Senior Night

### Quinsigamond Community College

Primarily a Project of: Colleges of Worcester Consortium Inc.

School District Partner: Worcester

Partner School: Doherty Memorial HS

Other Partners: Assumption College, Clark University, College of the Holy Cross, UMass - Amherst, WPI, Worcester State College

QCC is one of seven colleges that participate annually in college planning programs for high school seniors and their families.

**College Contact:** Daniel de la Torre, Jr., Senior Comm. Outreach Counselor; (508) 854-4404; [ddelatorre@qcc.mass.edu](mailto:ddelatorre@qcc.mass.edu); <http://www.cowc.org>

**District Contact:** Judy Fairfull, Educational Talent Search Advisor; (508) 797-6228; [jfairfull@cowc.org](mailto:jfairfull@cowc.org); <http://www.wpsweb.com/>

## College Planning Presentations

### Quinsigamond Community College

School District Partner: Worcester

Partner Schools: ALL School, Burncoat HS, Doherty Memorial HS, North HS, South High Comm. School, Worcester Alternative School, Worcester Vocational HS

Presentations on college planning are made to students in most Worcester public secondary schools and programs, including the Comprehensive Skills Center and SAMS (School-Age Mothers) Program.

**College Contact:** Daniel de la Torre, Jr., Senior Comm. Outreach Counselor; (508) 854-4404; [ddelatorre@qcc.mass.edu](mailto:ddelatorre@qcc.mass.edu); <http://www.qcc.mass.edu>

**District Contact:** Donna Connolly, Educational Talent Search Coord.; (508) 798-0135; [dconnolly@cowc.org](mailto:dconnolly@cowc.org); <http://www.wpsweb.com/>

## Educational Talent Search

### Colleges of Worcester Consortium, Inc.

School District Partner: Worcester

Partner Schools: Burncoat HS, South High Comm. School, North HS, Doherty Memorial HS

The ETS program identifies high-need/high-potential students in grades 9-12 and provides a variety of support services to ensure successful completion of high school and entry into a postsecondary program. Over 500 students are served each year. Career awareness and academic and cultural enrichment activities are

included. Seniors receive significant help with the college-search, admission and financial aid processes. ETS is funded through a U.S. Department of Education grant to the Consortium, with additional support from the Worcester Public Schools.

**District Contact:** Donna Connolly, Consortium Youth Services Coord.; (508) 798-0135; [dconnolly@cowc.org](mailto:dconnolly@cowc.org); <http://www.cowc.org/college-index.html>

## Family Involvement Initiative

### Worcester State College

School District Partner: Worcester

Partner Schools: ALL School, Burncoat HS, Chandler Magnet School, Columbus Park School, Doherty Memorial HS, Elm Park Comm. School, North HS, South High Comm. School, Sullivan MS

Other Partner: Hiatt Center for Urban Education at Clark University

The Family Involvement Initiative trains parents to help them navigate the school system and become strong advocates for the educational success of their children.

**College Contact:** Maria DelRio, Exec. Director - Latino Education Institute; (508) 798-6507; [mdelrio@worchester.edu](mailto:mdelrio@worchester.edu); <http://www.worchester.edu>

**District Contact:** James Caradonio, WPS Superintendent; (508) 799-3117; [caradonio@worc.k12.ma.us](mailto:caradonio@worc.k12.ma.us); <http://www.wpsweb.com/>

## GEAR UP

### Colleges of Worcester Consortium, Inc.

School District Partner: Worcester

Partner Schools: Worcester East MS, North HS

GEAR UP (Gaining Early Awareness for Undergraduate Programs) is funded through a federal contract from the MA Board of Higher Education to the Consortium. Entire cohorts of students in grades 7-12 are served. Services include career awareness, academic support, and cultural enrichment, with emphasis on postsecondary awareness and preparedness. Parents are targeted for services that will benefit their children. Resources for teacher professional development are provided in order to assist with systemic reform.

**District Contact:** Taryn Tomkins, Consortium Early Access Program Coord.; (508) 753-7642; [ttomkins@cowc.org](mailto:ttomkins@cowc.org); <http://www.cowc.org/GUWorcester.html>

## Hispanics Achieving and Celebrating Excellence

### Quinsigamond Community College

School District Partner: Worcester

Established over 17 years ago by Quinsigamond Community College staff and faculty and community members, the Hispanics

Continued . . .

Achieving and Celebrating Excellence (HACE) program works in collaboration with Worcester Public Schools guidance counselors and agency personnel to identify and honor Hispanic youth who excel in academics, arts, athletics, community service and leadership. Nominees are recognized at the QCC Annual HACE dinner. Scholarships are awarded to the honorees in each category.

**College Contact:** Maria Addison, Career Development Counselor; (508) 854-4438; mariaa@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** James Caradonio, WPS Superintendent; (508) 799-3115; caradonio@worc.k12.ma.us; <http://www.wpsweb.com/>

## Innovative Services for Latino Adolescents (ISLA)

### Worcester State College

Primarily a Project of: Latino Education Institute at WSC  
School District Partner: Worcester

Partner Schools: Sullivan MS, ALL School, South High Comm. School, North HS, Burncoat HS, Doherty Memorial HS, Worcester Vocational HS

Other Partners: Hiatt Center for Urban Education at Clark University, College of the Holy Cross

This after-school program offers academic enrichment, targeting skills required to pass the MCAS exams.

**College Contact:** Maria DelRio, Exec. Director - Latino Education Institute; (508) 798-6507; mdelrio@worcester.edu; <http://www.fac.worcester.edu/LEI>

**District Contact:** James Caradonio, WPS Superintendent; (508) 799-3117; caradonio@worc.k12.ma.us; <http://www.wpsweb.com/>

## Kids 2 College

### Colleges of Worcester Consortium, Inc.

School District Partners: Gardner, Fitchburg, Leominster, Webster, Worcester

Partner Schools: ALL School, Burncoat St. ES, City View School, Chandler Elem. School, Chandler Magnet School, Clark St. School, Columbus Park School, Elm Park Comm. School, Flagg St. School, Gates Lane School, Grafton St. School, Harlow St. School, Lake View School, May St. School, Thorndyke Rd. ES, Union Hill School, West Tatnuck School (all in Worcester); BF Brown School (Fitchburg); Gardner MS; Samosett MS, Southeast MS (Leominster); Anthony Sitkowski School (Webster)

Partner Colleges: Anna Maria College, Assumption College, Becker College, Clark University, College of the Holy Cross, Massachusetts College of Pharmacy & Health Sciences, Mount Wachusett Community College, Nichols College, Quinsigamond Community College, UMass Medical School, Worcester State College, Worcester Polytechnic Institute

Other Partners: AICUM; The Higher Education Information; Massachusetts Board of Higher Education; Massachusetts Board of Education; Sallie Mae

Kids 2 College is a joint project of Sallie Mae, AICUM, Colleges of Worcester Consortium, Inc., and participating colleges. Sixth-grade students in high-need schools receive early awareness services designed to motivate them to do well in middle and secondary school and go on to postsecondary programs. Six- to eight-week curricula are provided by the colleges on site at partner elementary schools. Topics might include career awareness, college life, the basics of how to finance a college education, and how to best prepare academically. In some cases, parents are also included. This is usually followed by a day on campus for the participating students.

**District Contact:** Judy Fairfull, Consortium Education Advisor; (508) 797-6228; jfairfull@cowc.org;

**College Contact:** Calvin Hill, Director - Minority Affairs; (508) 831-5819; chill@wpi.edu; <http://www.wpi.edu/Admin/MAO>

## Twelfth-Year Program

### Quinsigamond Community College

School District Partner: Worcester

School Partner: Burncoat HS, Doherty HS

QCC enrolls WPS high school juniors and seniors in college courses through the Twelfth-Year Program in which qualified high school students can earn high school credits toward college credit while also meeting high school graduation requirements.

**College Contact:** Daniel de la Torre, Admissions Coord., (508) 854-4404; ddelatorre@qcc.mass.edu

## Tech Prep Assessments

### Quinsigamond Community College

School District Partners: Auburn, Clinton, Millbury, Wachusett, Worcester

School Partners: ALL School, South High Comm. School; Auburn HS; Clinton HS; Millbury HS; Wachusett HS

QCC assessed tech-prep students at three WPS high schools as well as nine other Worcester County high schools and eight in the Metro West area. The assessments were administered February - April to assist the schools and the tech-prep coordinator at QCC in determining students' possible placement in courses at QCC.

**College Contact:** Marci Skillings, Tech Prep Coord.; (508) 854-2755; mskillings@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Bob Krikorian, WPS Tech Prep Facilitator; (508) 799-3334; krikorian@worc.k12.ma.us; <http://www.wpsweb.com/>

## Tech Prep Breakfast

### Quinsigamond Community College

School District Partner: Worcester

QCC hosted a tech-prep breakfast networking event in fall 2003 for high school and QCC faculty and staff.

**College Contact:** Marci Skillings, Tech Prep Coord.; (508) 854-2755; mskillings@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Bob Krikorian, WPS Tech Prep Facilitator; (508) 799-3334; krikorian@worc.k12.ma.us; <http://www.wpsweb.com/>

## Tech Prep Program

### Quinsigamond Community College

School District Partner: Worcester

Tech Prep is a total education system that links the high school curriculum to a community college program. Through agreements with Quinsigamond Community College, high school students have the opportunity to earn college credits while still in high school.

Tech Prep enables high school students to get a jump start on college by providing a structured pathway to achieve career goals. QCC has Tech Prep articulation agreements with many high schools in areas such as accounting, computer information systems, hotel/restaurant management, electronics, early childhood, tech repair, business support and Web design. In addition to WPS, QCC works with nine other Worcester County high schools and with eight in the Metro West area.

**College Contact:** Marci Skillings, Tech Prep Coord.; (508) 854-2755; mskillings@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Bob Krikorian, WPS Tech Prep Facilitator; (508) 799-3334; krikorian@worc.k12.ma.us; <http://www.wpsweb.com/>

## The Individual in the Community:

### The Helping Services

#### Assumption College

School District Partners: Worcester, Auburn

Partner Schools: Flagg St. School, Mill Swan School

This program satisfied requirements for the social and rehabilitation services major at Assumption. The graduate students worked primarily as interns in the guidance counseling offices of the high schools. The undergraduates completed field placements as teacher's aides in the classrooms of the elementary schools.

**College Contact:** Susan Sabelli, Coord. - Social & Rehabilitation Services Undergraduate Internships; (508) 767-7222; ssabelli@assumption.edu; <http://www.assumption.edu>

**District Contact:** Sherrill McKeon, WPS Student & Staff Support Manager; (508) 799-3060; mckeons@worc.k12.ma.us; <http://www.wpsweb.com/>

## Transitional Freshman Program

### Worcester State College

School District Partner: Worcester

Partner Schools: North HS, South High Comm. School, Burncoat HS, Doherty Memorial HS

Qualified high school juniors and seniors may enroll in online courses, become familiar with the college environment, and complete one or two college-level course during their high school years.

**College Contact:** Donald Vescio, Academic Affairs/Information Technologies; (508) 929-8157; dvescio@worchester.edu/online; <http://www.fac.worcester.edu/onlinedv/online>

**District URL:** <http://www.wpsweb.com/>

## Upward Bound

### Worcester State College

School District Partner: Worcester

Other Partners: McNair Fund, ADC Foundation Grant

The Upward Bound program is designed to aid students in middle school to be better prepared for success in higher education.

**College Contact:** Marcella Uribe-Jennings, Assoc. Director - Multicultural Affairs; (508) 929-8543; uribejennings@worchester.edu; <http://www.worcester.edu>

**District Contact:** Stephen Mills, WPS Deputy Superintendent; (508) 799-3018; millss@worc.k12.ma.us; <http://www.wpsweb.com/>

## Worcester Area Teen Pregnancy & Planning Network

### Quinsigamond Community College

School District Partner: Worcester

QCC provides information and support to teenage parents who are interested in pursuing higher education.

**College Contact:** Brenda Safford, Admissions/Fin. Aid Coord.; (508) 854-4320; bsafford@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Sherrill McKeon, WPS Student & Staff Support Manager; (508) 799-3060; mckeons@worc.k12.ma.us; <http://www.wpsweb.com/>

## Worcester Pipeline Collaborative

### Quinsigamond Community College

Primarily a Project of: UMass Medical School

School District Partner: Worcester

Partner Schools: Worcester East MS, North HS

Continued . . .

Quinsigamond Community College is a partner in the Worcester Pipeline Collaborative (administered by UMass Medical School), which aims to increase the numbers of North Quadrant students going on to health/science careers through mentoring, internships and access to information; QCC Radiological Technology students volunteered to present their program to Health/Science Academy students at Worcester East Middle and North High schools.

**College Contact:** Jane June, Dean of Instruction for Health Care and Human Services; (508) 854-4517; janej@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Donald Kelley, WPS North Quadrant Manager; (508) 799-3494; kelleyd@worc.k12.ma.us; <http://www.wpsweb.com/>

**Program URL:** <http://www.umassmed.edu/wpc>



## Social Sciences Curricula

### Martin Luther King Jr. Breakfast

#### Quinsigamond Community College

School District Partner: Worcester

The Rev. Dr. Martin Luther King, Jr. Breakfast Committee, in conjunction with Quinsigamond Community College, holds its annual breakfast in January. Students from grades 4-8 in Worcester area schools, public and private, enter an essay contest and the winners are recognized at the breakfast. Each winner is awarded a \$50 savings bond and a certificate. The Rev. Dr. Martin Luther King, Jr. Scholarship Committee awards three to four \$500-\$1,000 scholarships to graduating seniors. Quinsigamond awards two \$1,000 scholarships. The breakfast is open to the community with approximately 1,000 attendees each year.

**College Contact:** Office of the President; (508) 854-4203; <http://www.qcc.mass.edu>

**District Contact:** Frances Arena, NCLB Curriculum & Prof. Dev. Mgr.; (508) 799-3479; Arenafe@worc.k12.ma.us; <http://www.wpsweb.com/>



## Technology in the Classroom

### Cooperative Education Placement

#### Quinsigamond Community College

School District Partner: Worcester

QCC technology students work as nonpaid interns with Worcester Public Schools Network Services to support and maintain more than 6000 computers in the school system.

**College Contact:** Deborah Levin, Career Services Director; (508) 854-4421; [debl@qcc.mass.edu](mailto:debl@qcc.mass.edu); <http://www.qcc.mass.edu>

**District Contact:** John Reed, WPS Computer Technician; (508) 799-3199; [reedj@worc.k12.ma.us](mailto:reedj@worc.k12.ma.us); <http://www.wpsweb.com/>

## Engineering Pipeline Collaborative (EPiC)

### Quinsigamond Community College

Primarily a Project of: Worcester Public Schools

School District Partner: Worcester

Partner Schools: Doherty Memorial HS, Forest Grove MS

Other Partners: Mass. Dept. of Education, UMass, Worcester Polytechnic Institute

Quinsigamond Community College is a partner with Doherty Memorial High School, Forest Grove Middle School, Worcester Polytechnic Institute, the University of Massachusetts and the Massachusetts Department of Education to support the development of a system that addresses the Mass. Curriculum Framework in Science and Technology/Engineering and prepares students to enter the field of engineering. EPiC connects colleges, universities and businesses to schools, teachers and professors, and students and helps enhance mathematics, science and technology.

**College Contact:** Kathy Rentsch, Dean of Instruction for Business and Technology; (508)854-2712; [kathyr@qcc.mass.edu](mailto:kathyr@qcc.mass.edu); <http://www.qcc.mass.edu>

**District Contact:** Dennis Ferrante, WPS Adult, Career & Tech. Education Director; (508) 799-3090; [ferrante@worc.k12.ma.us](mailto:ferrante@worc.k12.ma.us); <http://www.wpsweb.com/>

## Project UPLINK

### Quinsigamond Community College

School District Partner: Worcester

Other Partner: Verizon

Project UPLINK extension is part of the Women in Technology initiative at QCC and is supported by a grant from Verizon. UPLINK extension links QCC faculty with middle school girls and their teachers. UPLINK extension has spring and summer components. The goals of UPLINK extension include teaching basic electronic/robotic skills and teaching science and mathematics through project-based learning in order to improve academic skills and MCAS scores. Robotics, digital movie-making, graphic design, electronics, building PCs, automotive technology, manufacturing, field trips and meeting with professional women are some of the activities on which the program focuses.

**College Contact:** Adrienne Smith, Asst. Prof./Electronics Tech. Coord.; (508) 854-4478; [asmith@qcc.mass.edu](mailto:asmith@qcc.mass.edu); <http://www.qcc.mass.edu>

**District Contact:** Bob Krikorian, WPS Tech Prep Facilitator; (508) 799-3334; [krikorian@worc.k12.ma.us](mailto:krikorian@worc.k12.ma.us); <http://www.wpsweb.com/>



## Tutoring/Mentoring

### After School at Seven Hills

#### Assumption College

Partner School: Seven Hills Charter School

Student volunteers from Assumption assist the Seven Hills staff five days a week with their after-school program, assisting with homework, spending time in the computer lab, playing in the gym, or occasionally walking children to the park to play.

**College Contact:** Debbie Lynch, Director – Reach Out Center; (508) 767-7142; delynch@assumption.edu; <http://www.assumption.edu>

**School Contact:** Leslie Rodriguez; (508) 799-7500 ext. 1031

### America Reads

#### Quinsigamond Community College

School District Partner: Worcester

Partner School: Norrback Ave. School

Provided one-on-one tutoring and after-school homework assistance to students at Norrback Avenue School through the America Reads Program. (Work-study students from Worcester State College also participated in this program.)

**College Contact:** Meredith Weiss, Anthropology / Coord. - Alternative Career & Technical Studies; (508) 854-4235; merriew@qcc.mass.edu; <http://www.qcc.mass.edu>

**District Contact:** Maria Schupp, Norrback Avenue School Principal; (508) 799-3500; schuppm@worc.k12.ma.us; <http://www.wpsweb.com/>

### Big Brothers Big Sisters Participation

#### College of the Holy Cross

Primarily a Project of: Big Brothers Big Sisters of Worcester Inc.

School District Partner: Worcester

Partner School: Canterbury St. Magnet Computer-Based School

Holy Cross students from Student Programs for Urban Development (SPUD) and the Lacrosse Team volunteer as big brothers and big sisters to children in the Worcester Public Schools Canterbury Street School (K-6), providing after-school tutoring, activities and mentoring.

**College Contact:** William Meinhofer, Director - Donelan Office of Comm. Based Learning; (508) 793-3006; wmeinhof@holycross.edu; <http://www.holycross.edu>

**District Contact:** Elizabeth Army, Canterbury Street School Principal; (508) 799-3484; armye@worc.k12.ma.us; <http://www.wpsweb.com/>

### Big Brothers Big Sisters with Deaf Littles

#### College of the Holy Cross

Primarily a Project of: Big Brothers Big Sisters of Worcester Inc.

School District Partner: Worcester

Partner School: ALL School

Holy Cross students from the Deaf Studies Program serve as “Bigs” for children in the Deaf Program at the ALL School. Deaf “Littles” and their Holy Cross “Bigs” meet once a week to do homework, play sports, make crafts and form friendships.

**College Contact:** Judy Fask, Director - Deaf Studies; (508) 793-3344; jfask@holycross.edu; <http://www.holycross.edu>

**Partner Contact:** Lillyanna Peniza-Delaney, Big Brothers Big Sisters; (508) 752-7868; lpdelaney@bbbscm.org

**District Contact:** Sandra Maloney, ALL School; (508) 799-3077; maloney@worc.k12.ma.us; <http://www.wpsweb.com/>

### College Community Connection

#### Mass. College of Pharmacy & Health Sciences

School District Partner: Worcester

MCPHS hosted two groups of students and their teachers for MCAS tutoring during the summer of 2003.

**College Contact:** Kevin Kearney, Assoc. Professor; (508) 890-8855 Ext. 1905; kkearney@mcp.edu; <http://www.mcp.edu>

### College Connections - MCAS Test Prep

#### Assumption College

School District Partner: Worcester

Partner School: Doherty Memorial HS

Other Partner: Mass. Dept. of Education

Assumption College served as a host site for a five-week summer MCAS test prep program. Seven students and a teacher from DMHS utilized a College computer lab and classroom for the duration of the program. Students were assigned to college departments for paid afternoon jobs.

**College Contact:** Mark Bilotta, Exec. Asst. to the President; (508) 767-7323; mbilotta@assumption.edu; <http://www.assumption.edu>

**District Contact:** Dennis Ferrante, WPS Adult, Career & Tech. Education Director; (508) 799-3090; ferrante@worc.k12.ma.us; <http://www.wpsweb.com/>

### DEAFinitely Figure Skating

#### College of the Holy Cross

School District Partner: Worcester

Partner School: ALL School

Continued . . .

Other Partners: Worcester Deaf Community, The Learning Center for the Deaf

The DEAFinitely Figure Skating program is offered to deaf children enrolled at the ALL School, as well as to deaf children in the local community. The program features supervised figure skating instruction by members of the American Sign Language (ASL)/Deaf Studies program. The 2002-2003 academic year marked the first time this program was offered. Its inception was inspired by the success of the DEAFinitely Ice Hockey program.

**College Contact:** Judy Fask, Director - Deaf Studies; (508) 793-3344; jfask@holycross.edu; <http://www.holycross.edu>

## DEAFinitely Hockey

### College of the Holy Cross

School District Partner: Worcester

Partner Schools: ALL School, Sullivan MS

Other Partners: St. John's High School, Worcester Academy, Worcester Jr. Ice Cats, American School for the Deaf, The Learning Center for Deaf Children, Solomon Schechter Day School

The College of the Holy Cross and Midstate Youth Hockey offer the DEAFinitely Skate Hockey program for deaf children over the age of four at the Hart Recreation Center ice rink. The weekly program features hockey instruction by Holy Cross hockey players, students and community volunteers. During the 2003-2004 academic year, members of the Deaf Olympic hockey team also served as coaches.

**College Contact:** Judy Fask, Director - Deaf Studies; (508) 793-3344; jfask@holycross.edu; <http://www.holycross.edu>

## DEAFinitely Swim

### College of the Holy Cross

School District Partner: Worcester

Partner School: ALL School

Other Partners: Solomon Schechter Day School, The Learning Center for the Deaf (Framingham MA), The Perkins School for the Blind (Watertown MA)

The DEAFinitely Swim program offers swim instruction to children who are deaf or hard of hearing, and to hearing children with deaf siblings or parents. Instruction is provided in American Sign Language (ASL) by Holy Cross ASL/Deaf Studies students and members of the Holy Cross Swim Team. During the 2003-2004 season, a deaf Olympic swimmer also coached the students.

**College Contact:** Judy Fask, Director - Deaf Studies; (508) 793-3344; jfask@holycross.edu; <http://www.holycross.edu>

## History and Social Sciences in the Education Curriculum

### Assumption College

School District Partner: Worcester

Partner Schools: Roosevelt Elementary, City View Elementary

Students enrolled in Assumption's "History and the Social Sciences in Elementary Curriculum," in conjunction with their field work, volunteered to teach Junior Achievement (JA) lessons at City View and Roosevelt. Each student taught five lessons designed by JA to align with the Massachusetts Curriculum Frameworks.

**College Contact:** Prof. Anita Danker, Ph.D., Associate Professor of Education; (508) 767-7085; adanker@assumption.edu

**Partner Contact(s):** Mary Meade-Montague, Roosevelt School Principal; (508) 799-3482; montaguemm@worc.k12.ma.us; Anna Barrie, City View; (508) 799-3670

## Holy Cross-Burncoat Collaborative SPUD Tutoring

### College of the Holy Cross

Primarily a Project of: Holy Cross-Burncoat Collaborative

School District Partner: Worcester

Partner School: Burncoat HS

Holy Cross students in the SPUD program (Special Programs in Urban Development) volunteer to help Burncoat students in various academic subject areas during and after school. Some tutors are placed in classrooms while others work one on one with teens to meet specific needs. Many tutors assist students in preparing for the statewide MCAS exam.

**College Contact:** Marybeth Kearns-Barrett, Chaplain's Office; (508) 793-2448; mkearns@holycross.edu; <http://www.holycross.edu>

**District Contact:** Thomas Gibbons, Holy Cross-Burncoat Collab. Academic Liaison & Facilitator; (508) 852-0974; tgibbons@holycross.edu; <http://www.wpsweb.com/>

## Intergenerational Urban Institute

### Worcester State College

School District Partner: Worcester

Other Partner: Citizen Schools

The Intergenerational Urban Institute works to provide tutoring and mentoring for youth and elders in the Worcester and Worcester County area. This program is especially geared for those for whom English is a second language.

**College Contact:** Maureen Power, Exec. Director - Intergenerational Urban Institute; (508) 929-8900; mepower@worchester.edu; <http://www.worcester.edu/iuiTh>

**District URL:** <http://www.wpsweb.com/>

## Latino Education Institute (LEI): Innovative Services for Latino Students College of the Holy Cross

Primarily a Project of: Latino Education Institute at Worcester State College

School District Partner: Worcester

Partner Schools: Chandler Magnet School, Forest Grove MS, Sullivan MS

Fifty students from the Worcester Public Schools attend after-school tutoring to improve MCAS scores. Approximately 15 Holy Cross students tutor the children under the supervision of LEI staff and WPS teachers.

**College Contact:** William Meinhofer, Director - Donelan Office of Comm. Based Learning; (508) 793-3006; wmeinhof@holycross.edu; <http://www.holycross.edu>

**District Contact:** Maria Del Rio, WPS Latino Education Institute Director; (508) 767-4706; mdelrio@Worcester.edu; <http://www.wpsweb.com/>

## Latino Youth Unlimited (LYU) Worcester State College

Primarily a Project of: Latino Education Institute at WSC

School District Partner: Worcester

Other Partners: City of Worcester, Hiatt Center for Urban Education at Clark University, Kellogg Foundation

The LYU program identifies students who have dropped out of the Worcester Public School System and works to reconnect them to educational programs or job training.

**College Contact:** Maria Del Rio, Exec. Director - Latino Education Institute; (508) 798-6507; mdelrio@worcester.edu; <http://wwwfac.worcester.edu/LEI>

**District Contact:** James Caradonio, WPS Superintendent; (508) 799-3117; caradonio@worc.k12.ma.us; <http://www.wpsweb.com/>

## Service-Learning

### Mass. College of Pharmacy & Health Sciences

School District Partner: Worcester

Partner Schools: Belmont St. School, City View School, Grafton St. School, Lake View School, Multiple Intelligences Magnet School, Rice Square School, Union Hill School, University Park Campus School

Other Partners: North HS, Worcester East MS

MCPHS students serve as tutors/mentors in the schools listed above.

**College Contact:** Kevin Kearney, Assoc. Professor; (508) 890-8855 Ext. 1905; kevin.kearney@wor.mcphs.edu; <http://www.mcphs.edu>

**District Contact:** Robert Boule, WPS North Quadrant Manager; (508) 799-3221; boule@worc.k12.ma.us; <http://www.wpsweb.com/>

## Student Programs for Urban Development (SPUD) Special Needs Tutoring

### College of the Holy Cross

School District Partner: Worcester

Partner School: Forest Grove MS

Volunteers work with 7th and 8th graders with moderate-to-severe learning disabilities in a life skills classroom. Tutoring is in traditional subjects such as math and reading, as well as in cooking and other life skills.

**College Contact:** Marybeth Kearns-Barrett, Chaplains' Office; (508) 793-2448; mkearns@holycross.edu; <http://www.holycross.edu>

**District Contact:** Donald Kelley, Forest Grove MS Principal; (508) 799-3423; kelleyd@worc.k12.ma.us; <http://www.wpsweb.com/>



## Professional Preparation Programs

Professional preparation programs in Consortium colleges have always figured prominently in higher education's impact on K-12 schools in Central Massachusetts, especially now as the rate of teacher retirement continues to accelerate nationally and locally as well. Along with Consortium member institution education departments that have long been in existence, education departments have been added in recent years at the College of the Holy Cross and Nichols College, and a model teacher training program has been implemented at Worcester Polytechnic Institute. Teachers in Massachusetts must be licensed by the Massachusetts Department of Education, which requires teacher candidates to major in a content area in addition to having a major or minor in education, depending upon the level to be taught.

The following shows all teacher preparation programs offered by Consortium institutions. Upon program completion, the Massachusetts standards for *Initial Teacher Licensure* have been met, unless otherwise indicated.

Area of Study	Degree	Institution
Art Education	Bachelor of Arts	Anna Maria College
Biology (Elementary)	Bachelor of Arts Bachelor of Science	Assumption College Becker College
Biology (Middle & Secondary Levels)	Bachelor's Degree Bachelor of Arts Bachelor of Arts Bachelor of Arts Bachelor of Science Bachelor of Science Master of Arts in Teaching Master's Degree (prof. license)	Worcester State College Assumption College College of the Holy Cross Clark University Atlantic Union College Worcester Polytechnic Inst. Clark University Worcester State College
Business (grades 5-12)	Bachelor of Science in Bus. Admin.	Nichols College
Chemistry (Elementary)	Bachelor of Arts	Assumption College
Chemistry (Middle & Secondary Levels)	Bachelor's Degree Bachelor of Arts Bachelor of Arts Bachelor of Science	Worcester State College Assumption College College of the Holy Cross Worcester Polytechnic Inst.
Chemistry (Secondary)	Bachelor of Arts  Master of Arts in Teaching	Assumption College Clark University Clark University
Classics (Elementary)	Bachelor of Arts	Assumption College
Classics (Middle & Secondary Levels)	Bachelor of Arts	College of the Holy Cross
Early Childhood Education	Associate in Science Associate's Degree Bachelor's Degree Bachelor of Arts	Becker College Quinsigamond Comm. College Worcester State College Anna Maria College

<b>Area of Study</b>	<b>Degree</b>	<b>Institution</b>
Early Childhood Education (continued)	Bachelor of Science	Becker College
	Master of Education (initial & professional license)	Anna Maria College
	Master of Education	Atlantic Union College
	Master's Degree (prof. license)	Worcester State College
Early Childhood Education in Elementary Education	Associate in Science	Becker College
Earth Science (Middle & Secondary Levels)	Bachelor's Degree	Worcester State College
Education	Minor	Assumption College
	Master of Arts	Assumption College
Elementary Education	Concentration	Assumption College
	Bachelor's Degree	Worcester State College
	Bachelor of Arts	Anna Maria College
	Bachelor of Arts	Atlantic Union College
	Bachelor of Arts	Clark University
	Bachelor of Science	Becker College
	Master of Arts in Teaching	Clark University
	Master of Education (initial & professional license)	Anna Maria College
Master's Degree (prof. license)	Worcester State College	
Elem./Middle School Educ.	Concentration	Assumption College
English (Elementary)	Bachelor of Arts	Assumption College
English (Middle & Secondary Levels)	Bachelor's Degree	Worcester State College
	Bachelor of Arts	Anna Maria College
	Bachelor of Arts	Assumption College
	Bachelor of Arts	Atlantic Union College
	Bachelor of Arts	College of the Holy Cross
	Bachelor of Arts	Clark University
	Bachelor of Arts	Nichols College
	Master of Arts in Teaching	Clark University
Master's Degree (prof. license)	Worcester State College	
English/Language Arts (Early Childhood & Elementary)	Bachelor of Arts	Anna Maria College
Environmental Science (Elementary)	Bachelor of Arts	Assumption College
Foreign Languages (Elementary & Middle/Secondary)	Bachelor of Arts	Assumption College
French (Elementary & Middle/Secondary)	Bachelor of Arts	Assumption College

<b>Area of Study</b>	<b>Degree</b>	<b>Institution</b>
French (Middle & Secondary Levels)	Bachelor of Arts	Assumption College College of the Holy Cross
	Bachelor of Arts	Clark University
	Master of Arts in Teaching	Clark University
General Science (Middle School Level)	Bachelor's Degree	Worcester State College
	Bachelor of Arts	Assumption College
	Bachelor of Arts	Clark University
	Master of Arts in Teaching	Clark University
Health Education (Middle School & Secondary Levels)	Bachelor's Degree	Worcester State College
History (Early Childhood)	Bachelor of Arts	Anna Maria College
History (Elementary)	Bachelor of Arts	Anna Maria College
	Bachelor of Arts	Assumption
History (Middle & Secondary Levels)	Bachelor's Degree	Worcester State College
	Bachelor of Arts	Anna Maria College
	Bachelor of Arts	Assumption College
	Bachelor of Arts	Atlantic Union College
	Bachelor of Arts	Clark University
	Bachelor of Arts	College of the Holy Cross
	Bachelor of Arts	Nichols College
	Master of Arts in Teaching	Clark University
	Master's Degree (prof. license)	Worcester State College
Humanities (Early Childhood & Elementary)	Bachelor of Arts	Anna Maria College
Latin & Classical Humanities (Middle/Secondary)	Bachelor of Arts	Assumption College
Liberal Arts	Bachelor of Arts with Early Childhood Track	Atlantic Union College
	Bachelor of Arts with Elementary Education Track	Atlantic Union College
Mathematics (Elementary)	Bachelor of Arts	Assumption College
Mathematics (Middle & Secondary Levels)	Bachelor's Degree	Worcester State College
	Bachelor of Arts	Assumption College
	Bachelor of Arts	College of the Holy Cross
	Bachelor of Arts	Clark University
	Bachelor of Arts	Nichols College
	Master of Arts in Teaching	Clark University
	Bachelor of Science	Worcester Polytechnic Inst.
	Master of Mathematics (prof. license)	Worcester Polytechnic Inst.
Middle School Education	Concentration	Assumption College
	Post-baccalaureate Initial License	Worcester State College
Middle/Secondary Education	Concentration	Assumption College

<b>Area of Study</b>	<b>Degree</b>	<b>Institution</b>
Moderate Special Needs	Master's Degree (initial & prof. license)	Assumption College Worcester State College
Music Education	Bachelor of Music Bachelor of Music Education Track Bachelor of Music Performance Track	Anna Maria College  Atlantic Union College  Atlantic Union College
Physics (Middle & Secondary Levels)	Bachelor of Arts Bachelor of Arts Bachelor of Science Master of Arts in Teaching	College of the Holy Cross Clark University Worc. Polytechnic Inst. Clark University
Political Science/Political Philosophy (Middle & Secondary Levels)	Bachelor's Degree Bachelor of Arts Bachelor of Arts Master of Arts in Teaching	Worcester State College Assumption College Clark University Clark University
Psychology with Early Childhood concentration	Bachelor of Arts	Becker College
Reading Specialist	Master's Degree Master of Education	Worcester State College Anna Maria College
School Principal/Assistant Principal	Master's Degree (initial & prof. license)	Worcester State College
Secondary Education	Concentration Post-baccalaureate Initial License	Assumption College Worcester State College
Spanish (Elementary & Middle/Secondary)	Bachelor of Arts	Assumption College
Spanish (Middle & Secondary Levels)	Bachelor's Degree  Bachelor of Arts Bachelor of Arts Master's Degree (prof. license) Master of Arts in Teaching	Assumption College Worcester State College Clark University College of the Holy Cross Worcester State College Clark University
Special Education	Master of Arts	Assumption College
Speech/Language Pathology (all levels)	Bachelor's Degree Master of Science	Worcester State College Worcester State College
Supervisor/Director	Master's Degree (initial & prof. license)	Worcester State College
Visual Arts	Master of Education Master of Visual Arts	Anna Maria College Anna Maria College
Visual Arts (Middle & Secondary Levels)	Bachelor of Arts Bachelor of Arts Master of Arts in Teaching	College of the Holy Cross Clark University Clark University

# Colleges of Worcester Consortium, Inc.

... is a regional association of accredited colleges and universities located in central Massachusetts. The Consortium exists to strengthen higher education through cooperative strategies—including partnerships with public- and private-sector organizations throughout the region. Member institutions also share resources in areas such as student cross-registration, library cooperation and professional development. Nearly 33,000 students are enrolled at these institutions as full- or part-time students in day, evening and weekend classes. Each year more than 6,500 of them earn degrees (associate's through doctoral) or complete certificates in one of nearly 300 majors and concentrations. Currently, 70,000 of these graduates live and work in central Massachusetts, enriching the intellectual capital of the region.



## Member Institutions

### **Anna Maria College**

Sunset Lane, Paxton MA 01612  
508.849.3300 • [www.annamaria.edu](http://www.annamaria.edu)

### **Assumption College**

500 Salisbury Street, Worcester MA 01609  
888.882.7786 • [www.assumption.edu](http://www.assumption.edu)

### **Atlantic Union College**

338 Main Street, South Lancaster MA 01561  
800.282.2030 • [www.atlanticuc.edu](http://www.atlanticuc.edu)

### **Becker College**

61 Sever Street, Worcester MA 01609  
508.791.9241 • [www.beckercollege.edu](http://www.beckercollege.edu)

### **Clark University**

950 Main Street, Worcester MA 01610  
508.793.7711 • [www.clarku.edu](http://www.clarku.edu)

### **College of the Holy Cross**

One College Street, Worcester MA 01610  
508.793.2011 • [www.holycross.edu](http://www.holycross.edu)

### **Massachusetts College of Pharmacy & Health Sciences**

19 Foster Street, Worcester MA 01608  
508.890.8855 • [www.mcphs.edu](http://www.mcphs.edu)

### **Nichols College**

Center Road, Dudley, MA 01571  
508.943.1560 • [www.nichols.edu](http://www.nichols.edu)

### **Quinsigamond Community College**

670 West Boylston Street, Worcester MA 01606  
508.854.4262 • [www.qcc.mass.edu](http://www.qcc.mass.edu)

### **Tufts University School of Veterinary Medicine**

200 Westboro Road, North Grafton MA 01536  
508.839.5302 • [www.tufts.edu/vet](http://www.tufts.edu/vet)

### **University of Massachusetts Medical School**

55 Lake Avenue North, Worcester MA 01655  
508.856.8989 • [www.umassmed.edu](http://www.umassmed.edu)

### **Worcester Polytechnic Institute (WPI)**

100 Institute Road, Worcester MA 01609  
508.831.5000 • [www.wpi.edu](http://www.wpi.edu)

### **Worcester State College**

486 Chandler Street, Worcester MA 01602  
508.929.8000 • [www.worcester.edu](http://www.worcester.edu)



## Acknowledgments

This report is the work of the Consortium's Community Relations Committee, a group of public relations officers that meets monthly to help interpret the work and mission of the Consortium and its member institutions. Committee members gathered the data or recruited others on their campuses to do so. Many thanks go to them and to their deputies for hours of information gathering and fact-checking.

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