

Application Process:

- ◆ Applications will be available at all Detroit Public High Schools.
- ◆ Applications must be completely filled out.
- ◆ Applications must be received by

Friday May 2, 2008

- ◆ Candidates will be interviewed on Thursday May 15, 2008 and Friday May 16, 2008
- ◆ The selected participants will be announced on Friday May 30, 2008

Applications must be returned to:

Randall E. Raymond
Geographic Information
Specialist
Detroit Public Schools
Fisher Building 10th floor
3011 W. Grand Blvd.
Detroit , MI 48202

Dr. Yichun Xie, Project PI

Director of IGRE at Eastern Michigan University.

Ms. Brenda Ice, Project Co -PI

Deputy Director, City of Detroit Homeland Security and Emergency Response Management

Dr. Connie K. Calloway

General Superintendent of Detroit Public Schools.

Mr. Gerald Lawver

Professor of Technology, Director, EMU Center for Information Assurance.

Ms Mozell Lang

Director, Office of Science Education, Detroit Public Schools

Randall E. Raymond

Senior GIS Specialist, Detroit Public Schools.

Dr. Al Lewandowski

Authorized GIS in Education Trainer by ESRI, Inc.

Mr. David Reider, Project Evaluator

Principal, Education Design, LLC

Charlie Fitzpatrick

Manager of ESRI Education Program, ESRI, Inc.

Ms. Pamela Shivers

Resource Specialist, City of Detroit Homeland Security

Mr. Anthony Derbah

GIS Analyst, Homeland Security and Emergency Response Management and Emergency Management.

Mr. Xiaolin Luo

Senior GIS Developer, IGRE at Eastern Michigan University.

Ms. Margaret Jolin, Project Parental and Technical Support Coordinator

On the Go Enterprises, Simply GIS

Detroit iTEST Youth Project



Creating Safe Communities through Information Technology Training in Home Land Security Applications



Sponsored By:

National Science Foundation

Detroit Public Schools

City of Detroit Department of
Homeland Security and
Emergency Management

EMU Center for Regional and
National Security

EMU Institute for Geospatial
Research & Education (IGRE)

Environmental Systems Research
Institute (ESRI)



Detroit iTEST Youth Project



The Detroit iTEST Youth Project (DiTYP) offers a collaboration of resources, support, and opportunities for strengthening science, technology, engineering, and mathematics education. The information technology field is expanding at an exponential rate, and there is no better time for youth to be part of it. Career opportunities are virtually unlimited.

The DiTYP project is targeted at high school students in the City of Detroit. 60 students will be recruited from all high schools in Detroit for the 2008 – 2009 program. All of these students will participate in a summer training program. 50 of these students will be chosen as technicians, the remaining 10 students will remain in the program as alternates.

All students will have the opportunity to receive about 250 hours of IT and geographic information system and technology (GIS/T) training during a two-year period.

The 50 technicians will also receive a 120 hours paid summer internship in a Detroit City Department, Detroit Public School Department or contractor. The focus will be to work on a real-world project, through which they practice the acquired skills.

Summer 2008 Immersion Training Program:

All 60 of the students participating in the project will be required to attend an on campus training camp at Eastern Michigan University (EMU). Students selected for this program will arrive at EMU on Sunday July 20th. The program will run through Friday July 25th.

Highlights of the Summer Training Program

Sunday:

- ◆ Tour of Computer Forensics Lab
- ◆ Pizza Party
- ◆ Campus Tour

Monday – Thursday

- ◆ Lectures Focused on Technology Applications in the real world
- ◆ Small Group Training
 - GIS
 - Network Security
 - Computer Forensics
 - Electronic Crimes
- ◆ Virtual Campus Online Courses
- ◆ Poster Competition Preparation
- ◆ A GIS Based Scavenger Hunt

Friday:

- ◆ Poster Competition Judging
- ◆ Graduation

The School Year

During the regular school year DiTYP is an afterschool program. There will be 4 computer labs available, 3 days a week afterschool. Students will be assisted in the lab by a Math or Science or Technology Teacher.

Computer Training Students Will Receive:

21 hours - computer foundations and software application basics

30 hours - GIS/T basics and applications in homeland security,

20 hours - 2D and 3D GIS/T toolsets for critical infrastructure protection,

28 hours - training and IT experience in Information Assurance,

30 hours - Computer Emergency Response Team Operations.

30 hours - advanced Computer Forensics will be provided as an option for those students who want to get in-depth knowledge and skill.