

### 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 10<sup>th</sup> 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 20<sup>th</sup>. The program will run through Friday July 25<sup>th</sup>.

## **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.