The CSI Forensic Science Program at Michigan State University

A week-long day camp or residential program for students with a strong interest in forensic science.

Level I: June 15 – 20 for students currently in grades 7, 8, and 9

Level II: June 22 – 27 for students currently in grades 10, 11 and 12

This program is designed for high achieving students. Program participants will be introduced to all areas of Forensics while working with experts in the field. Using a variety of lectures, labs, and on-site mock crime scenes, students will learn how real Crime Scene Investigators use science, creativity, and investigation skills to solve all types of crimes.

In cooperation with the Lyman Briggs School, the MSU Anthropology Department, and School of Criminal Justice Forensic Science program.
Program Introduction

The CSI Forensic Science Crime Scene Program at Michigan State University is a one-week day camp or residential program. The curriculum is intended for academically able students who are entering grades 7, 8 and 9 (Level I) or entering grades 10, 11, and 12 (Level II). All students will be working in a university setting with professionals who work in the field of Forensic Science.

Forensic Science is the application of science for the purposes of law. Students, through a variety of educational presentations and hands-on experiences, will learn how their acquired scientific knowledge can be applied to criminal investigation. Throughout the week, students will have the opportunity to apply their creativity and investigative skills working as a CSI with real crime scene equipment on several mock crime scenes.

Residential students will be housed in McDonel Hall on the campus of Michigan State University in East Lansing, Michigan. The program enrollment is limited to 64 students per level.

Academic Focus

Students will learn how Crime Lab Forensic Scientists collect evidence from crime scenes, analyze the evidence in the laboratory and then ultimately present their findings in a court of law. Students will work in the university biology and chemistry labs and on mock crime scenes located outside their resident hall. A mock court will be conducted on Friday evening as a presentation for the parents. The mock court will show the students and parents how ultimately the evidence collected and analysis findings are presented to the judge and jury (the audience). Each of the students will take part in experiencing the line of questioning a Forensic Expert encounters from a Prosecutor.

Level I: (Grades 7 – 9)
Students will be introduced to a variety of sub-disciplines within the crime lab including fingerprints, narcotics analysis, biology and DNA, firearms, blood stain analysis, micro-chemistry / trace, anthropology, arson investigation, forensic art and computer crimes. Students will begin each day with educational presentations from experts in the various disciplines of Forensic Science. In the afternoons, the students will assemble in teams of four to perform hands on lab analysis and / or work as CSIs (Crime Scene Investigators) at the outdoor mock crime scenes. The teams will work to collect evidence and then analyze it throughout the week. Included in the activities will be digging for evidence and remains at a suspected burial site and using their own Fingerprint Development Kit to locate hidden fingerprints. On Friday, the teams will reconstruct a mock homicide scene using the knowledge and techniques they have gained all week. The teams will present the evidence and the results from their analysis in a mock courtroom setting before a Prosecutor, Judge and the jury (our audience) at the closing program.

Level II: (Grades 10 – 12)
This weeklong curriculum content will follow the same structure as Level I with a higher level of intensity. In addition a career and college exploration session will be optional on Thursday evening. The focus will be on the opportunities within the area of forensic science.

Admission Process and Eligibility

Students must be in grades 7, 8 or 9 to enroll in Level I, or in grades 10, 11 or 12 to enroll in Level II for the 2008-2009 school year. They must also meet the following criteria:

- Provide documentation of strong standardized test scores (SAT, ACT, Michigan Merit Exam for in-state students)
- GPA of 3.5 or above.
- Have a positive Teacher Recommendation from a current teacher.
- Have a strong interest in science.
Rolling Admission

Applications are evaluated on a rolling basis, that is, as they are received. Students are notified of their status of their application within three weeks of receipt of a complete application. Only complete application packets are processed. A complete application packet includes the following:

- A completed and signed application, including parent/guardian questionnaire
- A check or money order made out to Michigan State University for $150, which includes the non-refundable application fee of $50 and a $100 tuition deposit
- A photocopy of the student’s ACT or SAT score report form
- A copy of the student’s 2006/07 grade report and grades for the first semester of the 2007/08 school year
- The student’s essay
- A teacher recommendation form completed by one of the student’s current teachers in the areas of science, math or technology.

Costs

The day camp program cost of $475 includes the following:

- All instruction
- Lunches (Monday-Friday) and dinner (Friday)
- Supervision
- Course materials and supplies
- T-shirt
- Fingerprint Examination Kit

The residential program cost of $600.00 includes the following:

- All instruction
- Recreational activities
- Residential housing, meals, and supervision
- Course materials and supplies
- T-shirt
- Fingerprint Examination Kit

Costs Not Covered

Transportation to and from Michigan State University is not covered. Parents/guardians must arrange for the student to arrive at the campus for the check-in on the Sunday the program begins. They must also arrange for the student to leave the campus after the closing program on Friday, the last day of the program.

Residential Supervision

The program coordinator and resident advisors (RAs) are responsible for providing a comfortable and friendly atmosphere in the residence hall. The RAs are college students who have been selected because they have a commitment to education and because of their ability to interact well with young people. Before the opening of the program, the RAs receive training in regard to rules, regulations, and safety requirements as related to the students’ welfare. The ratio of students to RA is 10:1.

RAs will walk students to their morning lectures, to and from lunch, to the afternoon labs or outdoor mock crime scene activities, and then back to the residence hall for dinner. They also oversee all evening activities for residential students.

Housing

Students will be housed in McDonel Hall on the campus of Michigan State University. Each student will be assigned a roommate. Students cannot choose their own roommate(s). Students will be given many opportunities to establish new friendships during evening recreational activities and to interact with others in smaller groups. It is important to note that this is a closed program, meaning that students are expected to remain with the program throughout the week. Students will be assigned MSU e-mail accounts. Each residence hall has a computer lab and students will have computer lab time each evening.
Extra Curricular Activities for Residential Students

Along with study time each night, students will have opportunities during their stay on the MSU campus to participate in extra curricular activities. Along with access to the IM facilities, students will also make use of other campus facilities to give them an overall introduction to the MSU campus. RAs will accompany and supervise students in these activities.

Student Conduct

This program sets the highest expectations for all participants in both academic participation and personal deportment. Students will be dismissed for use of alcohol, drugs, or tobacco, and for behavior that threatens the safety of themselves or other students.

Policy on Fees and Tuition Refunds

A check or money order of $150 ($100 tuition deposit and $50 application fee) must accompany all applications.

Applications submitted after the postmark date of April 1, 2008 must include a $10 late fee.

The deadline for payment of the tuition balance is May 15, 2008.

Checks should be made payable to Michigan State University.

The application fee of $50 is refundable only if the student is not accepted into the program.

The tuition deposit of $100 is refunded only if: 1) the student cannot attend because of a medical emergency or serious medical problem documented by a doctor; 2) the student cannot attend because of insufficient financial aid; or 3) the student is not accepted into the program.

Tuition balances are refunded if a student withdraws by May 30. A request to withdraw must be submitted in writing to the Office of Gifted and Talented Education Programs.

After May 30, a partial tuition refund will be issued only if a student must leave, or cannot attend for medical reasons. One half of the tuition will be refunded.

Refunds will be processed in 6 – 8 weeks.

Program Curriculum

This forensic science program instructs high-ability students in the sciences and technologies currently used in the investigation of criminal activity. This program is designed to challenge 7th through 12th grade students with applications and practical experiences not typically taught in classroom environments. Students will hone their observation, creativity, and intellectual skills, while also enjoying an exciting and adventurous week. The students will be introduced to the knowledge and skills required to process crime scenes. The students will learn how science is used to analyze evidence in crime labs.

At the completion of the week, the students will be able to:

- Describe the value of a wide variety of types of evidence including fingerprints, DNA, narcotics, toxicology, impression evidence, firearms, computer crimes and bloodstain analysis.
- Collect evidence properly through an understanding of how crime scene documentation, photography and chain of custody work.
- Combine the results of the various scientific lab analyses, their observations at crime scenes and their own creative minds. Students will formulate a possible scenario recreating a crime scene to identify a suspect and the chain of events of the crime.
- Present their results in a mock court setting as a team. The students will be able to explain an assigned forensic analysis to educate a judge and jury.
- Appreciate how the many specialties within forensic science work together to solve a crime.
- Understand the various opportunities available for a career in Forensic Science.
Daily Schedule

7:00 a.m.   Wake Up
7:45 a.m.   Breakfast
8:45 a.m.   Parents drop off day camp students at McDonel Hall
9:00 – 11:00 a.m.   Academic class/Lecture
11:30 a.m.   Lunch
12:30 – 4:30 p.m.   Academic Class/Fieldwork
All students return to McDonel Hall.
5:00 p.m.   Parents pick up day camp students
5:30 p.m.   Dinner
7:00 – 9:30 p.m.   Study Period or Planned Group Activity
10:00 p.m.   All students in rooms, Preparation for next day
10:30 p.m.   Lights Out

6:00 – 8:00 PM: Closing Program for participants, parents, and guardians

Program Calendar

Level I: June 15 – 20, 2008

June 15, 2008
2:00 – 2:30 PM: Registration at Residential Hall
3:00 – 4:00 PM: Orientation for students, parents, faculty, and staff

June 16 – 20, 2008
Classes held Monday – Friday

June 20, 2008
5:00 – 5:45 PM: All students have dinner at McDonel Hall
Residential students check out of McDonel Hall
6:00 – 8:00 PM Closing Program for participants, parents, and guardians

Level II: June 22 – 27, 2008

June 22, 2008
2:00 – 2:30 PM: Registration at McDonel Hall
3:00 – 4:00 PM: Orientation for students, parents, faculty, and staff

June 23 – 27, 2008
Classes held Monday – Friday

June 27, 2008
5:00 – 5:45 PM: All students have dinner at McDonel Hall
Residential students check out of McDonel Hall

Administrative Staff

Kathee McDonald, Director
Office of Gifted and Talented Education
Michigan State University

Michele Glasgow, Consultant/Owner
Forensic Professional Resources
CSI: Youth Forensic Science Technician Program 2008
Michigan State University
APPLICATION
Must be postmarked by April 1, 2008
Please type or print all responses.

Student’s Name ______________________________________________________

Social Security Number_______-_______-_______ Date of Birth___/___/___

Age_______ Gender: M____ F____ Grade Level in 2007-08_____________________

Address____________________________________________________________

City_____________________________________________ State_____ Zip_________

Telephone(____)____________ E-Mail Address____________________________

Name of School Attended in 2007-08____________________________________

School Address_______________________________________________________

City___________________________________ State__________ Zip____________

School Telephone(____)___________ Local School District__________________

Intermediate School District (MI Residents Only)_________________________

Expected Year of Graduation from High School___________________________

Parents'/Legal Guardians' Names:

Father______________________________________________________________

Daytime Phone____________________ Evening Phone____________________

Mother____________________________________________________________

Daytime Phone____________________ Evening Phone____________________

Parent address_____________________________________________________

(If different from student address above)

Please check here if you have previously attended CSI: YFST Program______

Complete As Necessary:

Level I_______ - or - Level II_______

Day Camp_______ - or - Residential_______
The following statement must be read, signed and dated by the student applying for admission to CSI: Youth Forensic Science Technician Program.

I have read the brochure describing the program and agree to abide by all the rules and regulations of the program if I am accepted for participating.

_____________________________________________________   ____________
Signature of Applicant         Date

The following statement must be read, signed and dated by the parent/guardian of the student applying for admission to CSI: Youth Forensic Science Technician Program.

I have read the brochure describing the program and approve my child's application for admission.

I am enclosing a check or money order for $150.00 made payable to Michigan State University with this application. This check includes a $50.00 application fee, which I understand is non-refundable unless my child is not accepted.

Should my child be accepted, I understand that the balance of the tuition of $450 ($600 less $150.00) must be paid by April 15, 2008. Scholarship students must pay partial tuition by April 15, 2008.

I give permission for my child to be photographed, interviewed or surveyed as the effectiveness and impact of the program is measured. I understand that the photographs and direct quotes from the students may be used for the program promotion, which includes the GATE office website. I understand that no photographs or quotes used this way will have my child's name connected to them. I also give permission for my child to participate in program field/study trips.

______________________________________________________ ____________
Signature of Parent/Guardian                                                                  Date

Return to:
Office of Gifted and Talented Education (GATE) Office
186 Bessey Hall
Michigan State University
East Lansing, MI  48824-1033  MUST BE POSTMARKED BY APRIL 1, 2008

Be sure you have included:
- Completed application form
- Teacher recommendation
- A copy of the SAT or ACT scores
- Student essay
- $150.00 deposit
- Financial aid request form (if used)
- Financial aid Documentation: On school letterhead, support of free or reduced lunch qualification OR any additional support documents.
To be completed by the student. Essay can be attached to this page.

In at least two paragraphs, please describe the following:

1) Why you would like to participate in the CSI: Youth Forensic Science Technician Program, and
2) Why you feel you should be selected.
CSI: Youth Forensic Science Technician Program 2008
Michigan State University

TEACHER RECOMMENDATION
(To be completed by a current teacher in a core content area such as math, science, English, social sciences, or technology.)

Student’s Name________________________________________________

Address______________________________________________________

City_____________________________________ State_____ Zip_______

Please present reasons you believe the above-name student has demonstrated sufficient knowledge and skill in a program that focuses on challenging learning experiences in the area of forensic science.

What are the student’s personal and/or academic strengths and weaknesses?

Teacher______________________________________________________

School________________________________ Course Taught____________

Address______________________________________________________

City________________________________ State_____ Zip_______

Please return this form to the student, allowing sufficient time for the student to send with the rest of the application by April 1, 2008 to:
Office of Gifted and Talented Education (GATE) Programs
186 Bessey Hall, Michigan State University
East Lansing MI 48824-1033
FINANCIAL AID REQUEST FORM

A few partial financial aid grants will be available for students who would not be able to attend the program without financial assistance. If you wish to be considered for financial assistance, please complete this form and furnish the information requested.

Student’s Name________________________________________________

Address______________________________________________________

City_________________________________ State______ Zip__________

Telephone_______________________________

1. Provide verification that applicant qualifies for free or reduced lunch on official school letterhead to be considered for GATE financial aid.
2. Include any additional information which supports the student’s need for scholarship assistance such as federal financial assistance already received to support the student.
3. Given that there are limited partial financial aid grants, how much Financial assistance do you feel is essential? $_________________ Scholarships will range from $100.00 - $300.
4. Please do not apply for financial assistance unless you can document need by sending the requested information.
5. Financial aid applicants will be responsible for the initial deposit of $150.00 and the deposit refund policy.

Parent/Guardian Signature _______________________________________ Date _______________

Return this form postmarked April 1, 2008.

Office of Gifted and Talented Education (GATE) Programs
186 Bessey Hall
Michigan State University
East Lansing MI 48824-1033