

INSPIRING YOUNG MINDS FOR COLLEGE ACCESS AND SUCCESS IN



SCIENCE, TECHNOLOGY, ENGINEERING AND MATHEMATICS (STEM)

NJIT

Forensic Science

Initiative 2023-24

Agenda for Today

1. What is FSI?
2. Goals of the Forensic Science Initiative
3. Components of the Program
4. Students
5. Teachers
6. Timeline
7. Q & A



What is FSI?

Forensic Science Initiative (FSI)



NBOE partnering
with NJIT College of
Science and Liberal
Arts & Center for
Pre-College
Programs

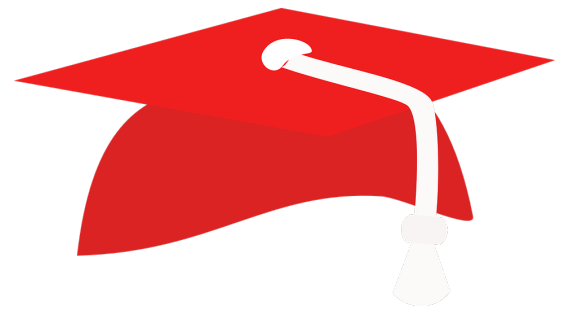
Forensic Science
appeals
to students

Prepare more
students for
success in
STEM fields

Underwritten
by COVID
Recovery grant

Forensic
Science opens
many, many
career pathways

Program Goals



- Strengthen students' science preparation by developing STEM skills and experiences for high school seniors
- Increase the pipeline to NJIT
- Preview for students a potential career trajectory
- Increase NBOE dual enrollment instructional capacity through teacher PD

Student Program



- Open to rising seniors
- Summer JumpStart includes 4 of the facets of Forensic Science; hands-on labs; field research; on-campus experience; activities to orient students to college; SAT/ACT prep; personal statement development
- Academic year dual enrollment course: **FRSC 201 Introduction to Forensic Science**

Student Requirements

- Letter expressing FS interest
- Completion of all three with at least a C:
 - Trigonometry
 - Biology
 - Chemistry
- Planned dual enrollment in FRSC 201 during senior year and Pre-Calculus for STEM majors
- Recommendation from science teacher
- Transcript and latest standardized test scores
- Completion of application
- Parent/guardian approval



JumpStart Student Characteristics

- Motivated to learn
- **Regular** attendance all 4 weeks
- Active participation in classes, program activities, college prep experiences

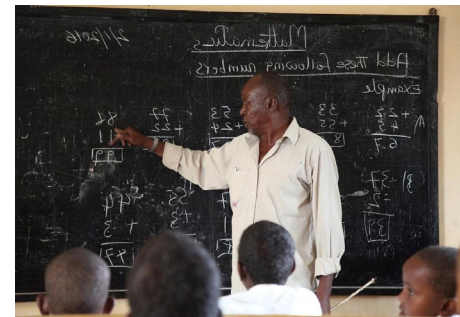


Teacher Requirements

- MS in Forensic Science, Biology, Chemistry, or closely related field
- NJ Teaching Certification in Science
- Recommendation from HS principal/DC
- Applicant letter expressing interest in teaching forensic science
- Sample of lesson plans taught in STEM subject

Consideration given to:

- AP teaching experience in a STEM subject
- Those who meet some qualifications; law background



New cohort Summer 23
Returning teachers
ALSO Summer 23



Timeline Students

- 3/23 **Nominate students who will take FRSC201 in Fall 2023**
- 3-4/23 Students complete application
- 5/23 **Students notified of selection**
- 7/10/23 - 8/4/23 Students attend JumpStart
- 9/23 **Students take FRSC201 @ high schools**

Student Day Summer 2023

By 8:50 Be in your seat in class

9:00-11:50 Forensic science exploration/labs

noon-1:00 Lunch & Recreation

1:10-2:00 Case studies in forensic science

2:10-3:00 ACT/SAT/personal statement Prep 2 days / Professionalism and Special Topics 2 days

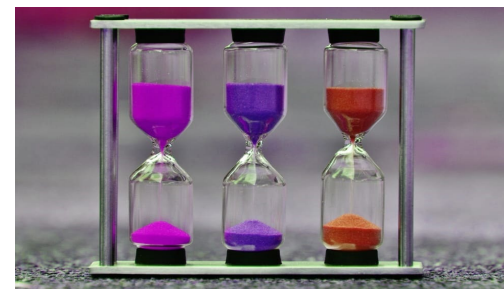
Fridays 9:00-noon Field Trips and Guest Speakers

Fridays end at noon

Last Friday is a celebration



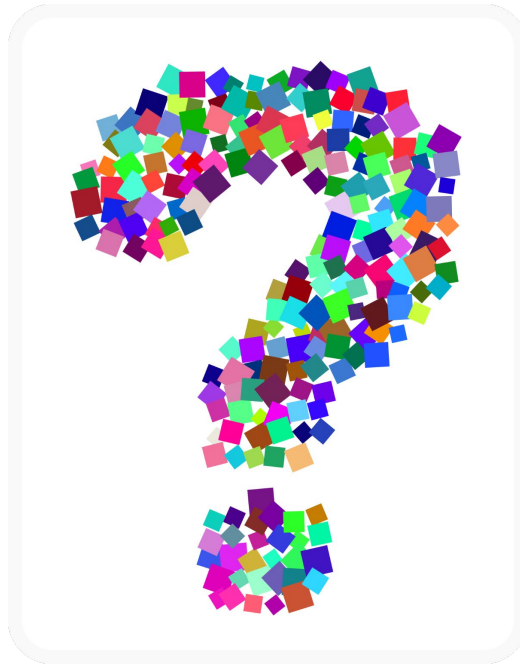
Timeline - Teachers



- 3/23 Teachers complete application
- 4/23 Teachers notified of selection
- 6/26, 27, 28/23 Teachers attend NJ Forensic Science Education Conference on campus
- July - 8 days PD
- 9/23-6/24 Teachers in PD 2 days TBD
- 9/24 and beyond Options teachers continued supports

Q & A

- We want to hear from you: What questions/comments do you have?



Contact Us

- Professor David Fisher, Head of the NJIT Forensic Science Program
david.r.fisher@njit.edu
- Dr. Barbara Weller, Senior Director of Program Development and Forensic Science Initiative weller@njit.edu

