

# Gwynn Park High School

## Science Department 2006-2007

"RIGOR is an active learning environment, which promotes critical thinking by using challenging questions, innovative exercises, and laboratory experiences based on academic knowledge that lends itself to real world application."

Course Title: Forensic Science  
Teacher: L. Landrum,  
Contact Information: work: 301-372-0140  
email: leslie.landrum@pgcps.org

### I. Course Description

- Aim: This rigorous course will give an introduction to the study of forensic science by honing the skills of laboratory investigation, analysis of data, logic, and deduction while giving background information on a variety of subjects.
- Topics Covered:
  - Deductive Reasoning
  - Crime Scene Protocol
  - Questionable Documents
  - Physical Analysis
  - Chromatography Types
  - Prints and Impressions
  - Fiber & Hair Analysis
  - Serology
  - DNA Typing
  - Anthropology & Odontology
  - Forensic Entomology

Length: This course is one semester.

Prerequisites: Successful completion of chemistry & biology

### Instructional Philosophy

- Each student is expected to attend class every day, arrived with required materials, participate in class activities, review materials introduced and complete all application, mastery and challenging problems when assigned for class work or homework.
- Instruction will address various learning styles.
- Laboratory activities are an integral part of the course, and will be used to reinforce core concepts.

- Written and critical thinking activities will foster higher levels of cognitive learning..
- Instruction will be connected to real world applications.

### **Major Course Projects**

The student will complete reinforcement activities at the end of each quarter.

### **Assessment Plan/Grading Factors**

Quarterly Exam:	25%
Test & Quizzes:	25%
Labs	25%
Homework	10%
Classwork	25%

### **PACING GUIDE**

#### **Quarter 1**

Deductive Reasoning  
 Crime Scene Protocol  
 Questionable Documents  
 Physical Analysis  
 Chromatography Types  
 Prints and Impressions

#### **Quarter 2**

Fiber & Hair Analysis  
 Serology  
 DNA Typing  
 Anthropology & Odontology  
 Forensic Entomology

### **Additional Information**

- Will be given out by the teacher on separate documents as needed.

### **Textbook**

Criminalistics by Richard Safestein, 7<sup>th</sup> ed

### **Supplies/Materials:**

- Textbook is to be brought to class daily
- Three-ring binder to brought to class daily
- Pen/pencil/loose-leaf paper
- Scientific calculator

## Rules and Procedures

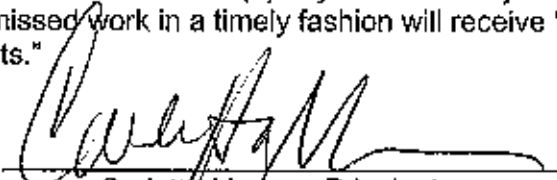
- ID badges should be worn around the neck always.
- Food, gum, and beverages are not allowed.
- Take care of all personal and grooming needs between classes.
- Be in your seat when the bell sounds.
- Students must obey all classroom and safety rules and procedures.
- Class is dismissed by the teacher only.
- Respect yourself and others.

Attendance is an important aspect of your education at Gwynn Park High School. In accordance with Prince George's County Public Schools' (PGCPS) Administrative Procedure 5113, *Pupil Attendance and Absence*, "five (5) days of unlawful absence per semester in a semester course, or ten (10) days of unlawful absence per year in a full year course shall result in no grade ("N") for course." Additionally, students will receive a zero (0) for all work done on the day of an unexcused absence and will not be given the opportunity to make up work missed because of an unlawful absence.

When absent, a student has two (2) days in which to bring in a note that excuses him/her for the absence. After that time, the absence becomes unexcused. The reason for the absence must be stated in the note. This note must be given to the attendance specialist in the main office who will issue an attendance form (PA-1) to the student. This form will denote whether the absence is lawful (excused) or unlawful (unexcused). It is the student's responsibility to present this attendance form to each of his/her teachers.

According to the PGCPS' Administrative Procedure 5121.2, *Assessment and Grading for All Secondary School Programs*, "students who are considered lawfully absent from school will have the opportunity to make up missed assignments in a timely fashion (a maximum of three (3) days for each day's absence). Students who fail to complete missed work in a timely fashion will receive "zero" grades for those assignments."

Approved: \_\_\_\_\_

  
Carletta Marrow, Principal

Parent/Guardian signature: \_\_\_\_\_

Student Name & Signature: \_\_\_\_\_