



FREEDOM HIGH SCHOOL SPECIALTY PROGRAMS
INFORMATION NIGHT

CENS
(CENTER FOR ENVIRONMENTAL
AND NATURAL SCIENCES)

- The mission of CENS is to promote environmental citizenship and a sustainable community through challenging hands-on collaborative learning experiences that promote innovative thinking, problem solving, and leadership within our school and community.
- Freedom High School aims to create a sustainable society of students that embodies respect and care for the community of life and ecological integrity
- Expose students to the numerous career opportunities in Environmental and Natural Sciences
- Students can take 1 of 4 tracks in CENS (Medal, merit, certificate, pathway)



CENS

CENS MEDAL:

- -6 CENS Classes: Advanced Biology, Advanced Chemistry, AP Biology (or DE Biology I), AP Environmental Science (required) and 2 other CENS approved science courses
- -Participate in 1 Science Fair/Symposium/Seminar.
- -80 hours of community Service

CENS MERIT:

- -5 CENS classes: Advanced Biology, Advanced Chemistry, AP Biology (or DE Biology I), AP Environmental Science(required) and 1 more CENS approved science courses
- --60 hours of community service

*CENS students must maintain a “C” average in their core subject areas (language arts, social studies, math and science) and be enrolled in at least one CENS science class each year. The CENS classes will include Advanced Biology, Advanced Chemistry, AP Environmental Science, AP Biology and Biology II: Survey of Advanced Topics in Biology (DE).

CENS Science Electives include all AP science classes, all DE science classes, Ecology, Advanced Earth Science, Forensics, Astronomy, Oceanography, and Physics.





CENS

CENS CERTIFICATE:

- -4 CENS Classes: Advanced Biology, Advanced Chemistry and 2 other CENS approved science courses
- -40 hours of community Service

CENS PATHWAY:

- 3 science courses and 1 CENS approved science course



FREEDOM HAS A POND, AN ON-SITE GREENHOUSE, A VEGETABLE GARDEN, A HUGE AQUARIUM AND SO MUCH MORE!

FREEDOM STUDENTS REDUCE, REUSE AND RECYCLE!

- SCHOOL WIDE
WASTE AUDIT
- ADOPT-A-POND
AND ADOPT-A-
SPOT WITH
PWC
COMMUNITY
PARTNERS
- WATER
CONSERVATION



FIELD TRIPS AND CAREER EXPLORATION





FREEDOM
CENS IN
THE NEWS!

- [Check out what Freedom CENS students are doing!](#)

NOVA DUAL ENROLLMENT



[NVCC Dual Enrollment
Information Link](#)



**EARN COLLEGE CREDIT
FOR FREE WITH DUAL
ENROLLMENT**

- **Colleges and universities in Virginia accept dual enrollment transfer credits. Most colleges and universities in other states accept Northern Virginia Community College transfer credits but there are a few that do not.**
- **The high school and college curriculum will be incorporated together and taught at the same time during the regular class day at Freedom High School. DE courses that are offered include Chemistry, English, and Photography.**
- **The courses are taught by teachers at Freedom High School during the regular school day. For example, if a dual enrollment student has their DE English III class during 5th Period, that will be the same time the student is taking the college class. Remember students are earning potential high school and college credit at the same time.**



REQUIREMENTS

- **Students must apply for admission to Northern Virginia Community College (no admission fee is required). In addition, students must also register for Dual Enrollment courses through NOVA.**
- **Students and parents must fill out a dual enrollment consent form from the community college.**
- **Students must have a 3.0GPA to qualify for DE. Students may also qualify based on their PSAT, SAT, or ACT scores.**

HIGHLIGHTS OF DUAL ENROLLMENT

- EARN COLLEGE CREDIT WITH A C OR BETTER **FOR FREE**
- ALLOWS STUDENT TO RECEIVE HIGH SCHOOL AND COLLEGE CREDIT
- FACILITATES THE TRANSITION FROM HIGH SCHOOL TO COLLEGE
- ALLOWS STUDENTS TO USE CAMPUS RESOURCES
- DE TEACHERS MUST MEET THE REQUIREMENTS OF NVCC PROFESSORS
- A WEIGHT OF +1 (ONE FULL GRADE) IS APPLIED TO GPA FOR AP COURSES



ADVANCED PLACEMENT CLASSES AT FREEDOM

MATH

AP Statistics
AP Calculus AB
AP Pre Calc

SCIENCE

AP Environmental Science
AP Biology
AP Chemistry

SOCIAL STUDIES

AP World History
AP US History
AP US Government
AP Human Geography
AP African American Studies

ENGLISH

AP English Language
AP English Literature
AP English 10 Seminar

SOCIAL SCIENCE

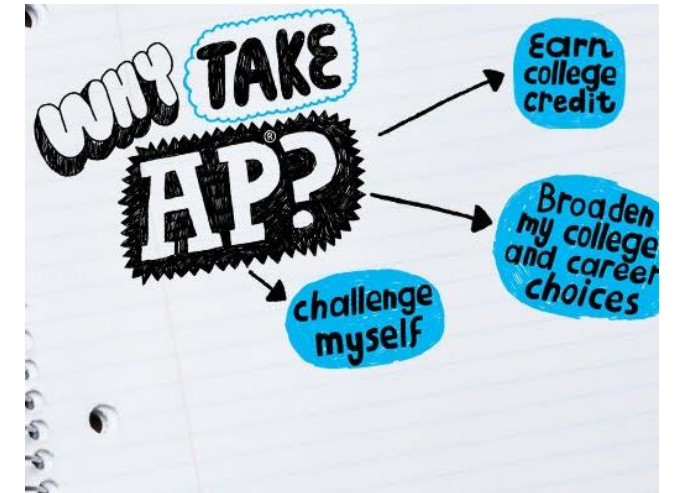
AP Psychology
AP Microeconomics

ART

AP Art Studio (2D)

AP CAPSTONE

AP Seminar/AP Research





ADVANCED PLACEMENT

Facts Concerning AP @ Freedom

-342 AP students currently enrolled at Freedom

-AP classes are open to all Freedom students

-Some classes are limited to specific grades or have prerequisite courses

-Unlimited AP exams are paid for by PWCS

-A weight of +1 (one full grade) is applied to GPA for AP courses

BENEFITS

Earn college credit! Save thousands of dollars

Higher GPA

Rigorous classroom environment

High level writing & reasoning

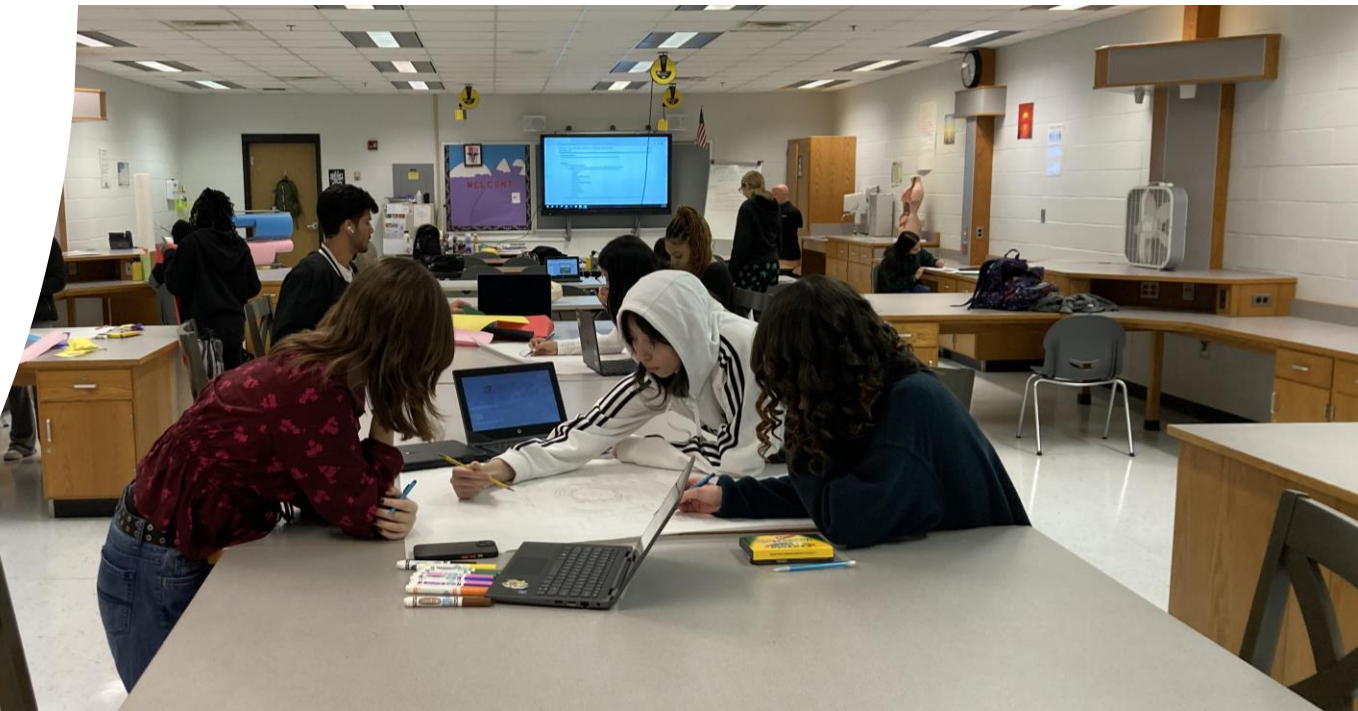
Colleges seek AP/Dual enrollment students

MEDICAL CODING AND BILLING

- **What is medical coding and billing?**

The process of translating information from patient records – treatments, tests, procedures, and diagnoses – into the standardized codes used to bill patients and third-party payers such as insurance companies and Medicare.

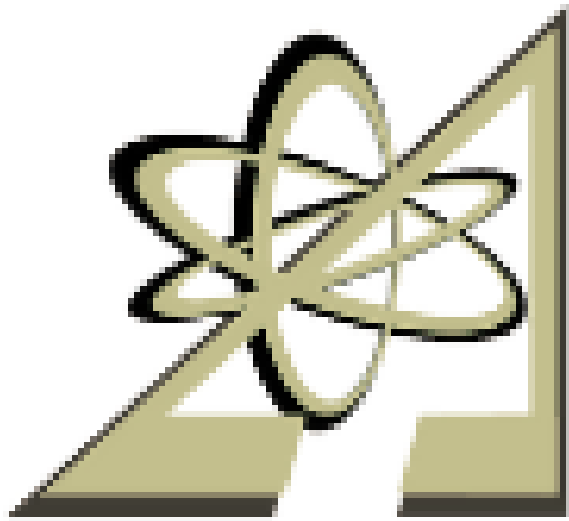
- **Requirements:** completion of CIS (9th grade) and ACIS (10th grade), Medical Coding and Billing I (11th grade) and Medical Coding and Billing II (12th grade)
- Medical Terminology and Intro to Health and Medical Sciences (10th-12th grades)
- **Highlights:** certification possibilities (American Academy of Professional Coders, Workplace Readiness Skills for the Commonwealth Examination, Billing and Coding Specialist Certification)



MEDICAL CODING AND BILLING

- Students learn the soft skills and technical skills to excel in the health care field
- Soft skills-organizational skills, leaderships, professionalism, presentation skills, communications, collaboration, employability.
- Technical skills-health care law, medical terminology, human anatomy, patient rights, health insurance, translating diagnoses and procedure codes.





The Pre-Governor's School @ Freedom

A STEM Initiative

(Science, Technology, Engineering, Mathematics)

Dr. Jessica Doiron– Specialty Programs Coordinator

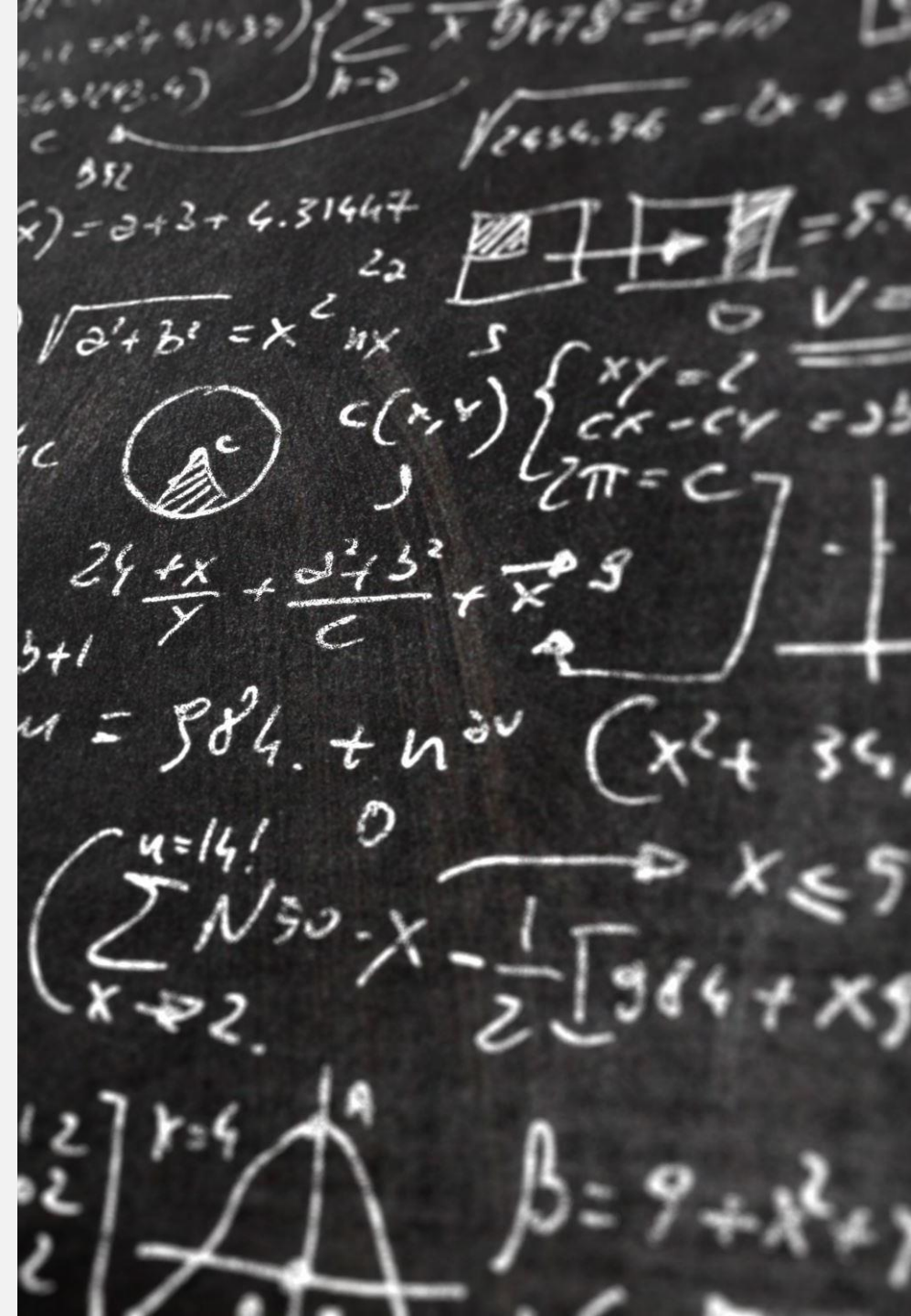
TBD– Dedicated Pre-Governor's and Governor's School Counselor)

PROGRAM PRE-REQUISITES

- Only for rising 9th grade students
- Students must currently be enrolled in Algebra I (or higher)
- No grade below a B in Math, Science, Language Arts, and Social Studies
- Students must complete a specialty Program application and select Pre-Governor's School Program as the 1st choice
- Students must complete a 1-page essay for the application
- Student must have 2 teacher recommendations completed. 1 from current math teacher and 1 from current science teacher.

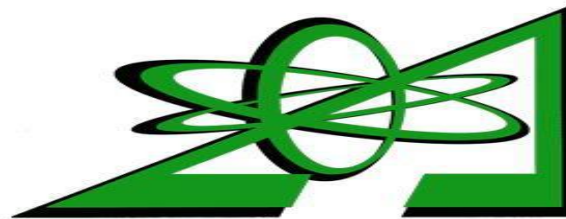
KEY ELEMENTS

- ▶ Students study two math courses to complete Pre-Calculus with Trig for AB prior to 11th grade.
- ▶ Students study all three science disciplines (Biology, Chemistry, and Physics) prior to 11th grade
- ▶ Students will undergo technical writing preparation for science and research writing at GS@IP
- ▶ A dedicated counselor will support Pre-Governor's School students for four years
- ▶ A cohort of like-minded students
- ▶ Additional support and transition activities will be initiated to include GS@IP faculty



The Learning Environment at GS@IP

- ▶ Advanced level courses in which students must synthesize information and apply knowledge
- ▶ Projects based on student interests and talents
- ▶ Positive learning environment, team- based learning
- ▶ Prepares students for college and a 21st Century workforce



SAMPLE SCHEDULE

9th Grade Courses	10th Grade Courses
Advanced English 9**	Advanced English 10**
Advanced World History I	AP World History, AP European History, <u>or</u> World History II
Advanced Biology**	Pre-Calculus with Trig for AB**
Advanced Geometry	Advanced Chemistry
Algebra II**	Physics I**
Foreign Language*	Foreign Language*
Elective/Fine Art	Economics and Personal Finance or AP Economics
9th grade Health/ PE (Virtual)*	10th grade Health/PE (Virtual)*

****Denotes a Pre-Governors School course**

AP Capstone Seminar and/or technical writing module recommended

3 years of a single foreign language or 2 years of two separate languages is required for an advanced studies diploma



The Pre-Governor's School @ Freedom

- Complete general online application through PWCS by February 1st
- The Pre-Governors School program must be indicated as your first-choice program.
- Complete the additional Pre-Governors School application requirements on the PWCS Specialty Program Application – All documents are uploaded directly to the application portal
- Be sure to have accurate e-mail addresses for both your current Science and Math teachers so they receive the teacher recommendation e-mail



APPLICATION DETAILS

- **Students must submit a complete application packet:**
 - ▶ **A completed application form through PWCS**
 - ▶ **Two teacher recommendation forms (math and science teachers)**
 - ▶ **Information sheet: describing interest in research and experimentation**
 - ▶ **Student Essay**
 - ▶ ***Students MUST be currently enrolled in Algebra I to be eligible to apply for the Pre-Governor's School**
- **Within the application packet students should demonstrate:**
 - ▶ **An aptitude for advanced study**
 - ▶ **A record of strong academic performance**
 - ▶ **A curiosity about the STEM to include independent research/projects**
 - ▶ **Must be currently enrolled in Algebra I or higher**

FREEDOM CURRICULUM FAIR

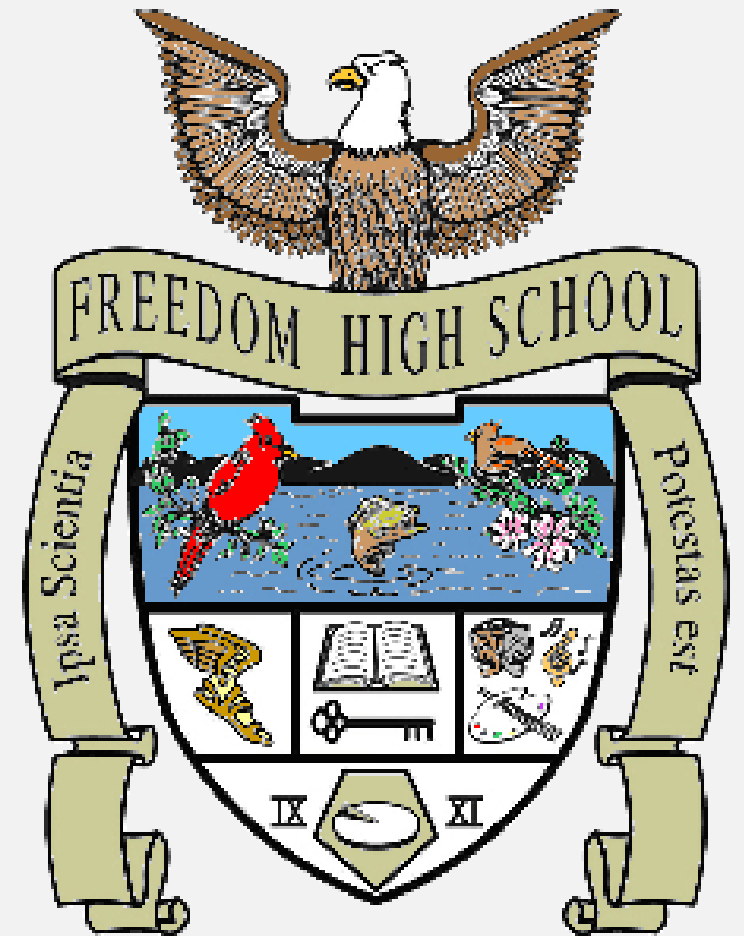
Thursday, January 25

Freedom High School 6:00-7:00pm

Information on the scheduling process, advanced placement and
Dual enrollment

Speak with teachers about course offering for the 24-25 school
year

Free Food and Door Prizes



LINKS

- PWCS Specialty Programs Home page:

https://www.pwcs.edu/academics__programs/advanced_academics__specialty_programs/specialty_programs/index

- PWCS High School Specialty Programs

https://www.pwcs.edu/academics__programs/advanced_academics__specialty_programs/specialty_programs/high_school_programs/index

PWCS Specialty Programs Application:

https://www.pwcs.edu/academics__programs/advanced_academics__specialty_programs/specialty_programs/specialty_program_application_process

- Governor's School at Innovation Park: <https://governors.pwcs.edu/>



QUESTIONS?

Dr. Doiron – Specialty Programs and Advanced Academics
Coordinator doironjb@pwcs.edu