

## Center for Environmental & Natural Sciences

*The Center for Environmental & Natural Sciences at Freedom High School offers a rigorous 4-year program of studies designed to include strong laboratory and field investigation components. CENS students take Advanced and AP coursework across all academic disciplines. The curriculum is integrated with other educational disciplines so that students gain a greater understanding of the relationships between environmental and natural sciences and these disciplines, as well as appreciate its connection with everyday life. Students participate in co-curricular and extracurricular activities, including community service, and will become involved with business and community partnerships that enhance their understanding of 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 Schools aims to create a sustainable society of students that embodies respect and care for the community of life and ecological integrity.*

## ON-SITE RESOURCES

*Freedom High School is designed to house the unique environmental & natural sciences specialty using state of the art equipment and on-site resources for scientific research.*

- CENS lab
- Aquarium
- Wet pond & diverse habitats
- Greenhouse
- Mobile computer labs
- Interactive projects and labs
- Business and community partnerships
- Research projects & field trips

## CENS Elective Courses

- Advanced Earth Science
- Oceanography
- Bio II: Ecology
- Bio II: Survey  
Human Anatomy & Physiology
- Chem II: Forensic Science
- Astronomy

**\*CENS students must be enrolled in at least one CENS science class each year and maintain a minimum grade of “C” in every course. CENS students must also abide by PWCS Policy and Regulation Code 721-2 B**

A transfer to another school is considered a privilege. A transfer may be rescinded for the current year or denied for the following year for any serious infraction of the "Code of Behavior," truancy or tardy issues, or failure to comply with the requirements of a specialty or career and technical education program.

## Advanced Placement Courses

### Sciences

- Advanced and AP/DE Biology \*
- Advanced and AP Chemistry \*
- AP Physics \*
- AP Environmental \*

### English Language

- Advanced English 9 and 10
- AP English Language & Composition
- AP English Literature

### Mathematics

- Advanced Geometry
- Advanced Alg II/Trig
- Functions Analytic Geometry
- Functions Trigonometry
- AP Calculus AB & BC\*
- AP Statistics \*
- AP Computer Math \*

### Social Sciences

- Advanced World History
- AP World History
- AP Human Geography \*
- AP Virginia & US History
- AP Government
- AP Psychology

### World Language

- Advanced Spanish III
- AP Spanish IV
- AP Spanish V

### \*CENS AP Courses

## CENS MEDAL REQUIREMENTS

- 6 CENS Classes – Advanced Biology, Advanced Chemistry, AP Biology (or DE Biology I), AP Environmental Science and 2 CENS approved science courses
- CENS students must participate in one science fair/competition/seminar
- 80 hours of community Service

## CENS MERIT REQUIREMENTS

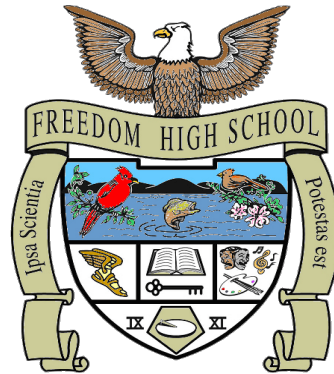
- 5 CENS Classes: Advanced Biology, Advanced Chemistry, AP Biology (or DE Biology I), AP Environmental Science and 1 CENS approved Science Course
- 60 hours of community service.

## 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



**Mrs. Chevelli Smith, Principal**

**For more Information Contact:**

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**CENS Coordinator**

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**Ms. Lakisha Brown**

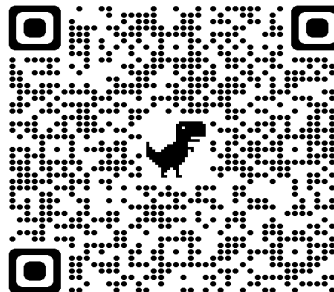
**CENS Administrator**

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**SCAN ME**



**CENS**

**Advanced Scholar  
Specialty Program**

**Freedom High School**

**15201 Neabsco Mills Road  
Woodbridge, VA 22191**