

Academy of Science and Technology

Campus Improvement Plan

2018-2019

Secondary Campus: The Woodlands College Park High School

Rating: Met Standard

GOAL 1: STUDENT ACHIEVEMENT AND POSTSECONDARY SUCCESS

MASTER RIGOROUS ACADEMIC STANDARDS – STUDENT ACHIEVEMENT, STUDENT PROGRESS, CLOSING PERFORMANCE GAPS and SUCCESSFUL COMPLETION OF HIGH SCHOOL

ACCOUNTABILITY

DOMAIN I: STUDENT ACHIEVEMENT:

STAAR for Academy Students

English I	100% Approached	100% Meets	87.6% Masters
English II	100% Approached	100% Meets	85% Masters
Biology*	100% Approached	100% Meets	100% Masters
US History	100% Approached	100% Meets	100% Masters \

*The only STAAR related course the Academy teaches is Biology. With the extensive reading, writing and mathematics, the Academy reinforces the skills needed for success in English and United States History.

Initiatives

- Although 100% of the student earned Approached, and Meets a few students did not achieve the Masters level of achievement. The teacher is reviewing the curriculum for alignment with STAAR
- New emphasis on critical reading, thinking and writing is being done with addition of science articles that require students to read critically and answer questions that require higher levels of thinking.

AP Scores

<u>Subject</u>	<u>Score</u>	<u>% of enrolled students taking exam.</u>	
AP Biology	4.138	82.3%	Reflects a gain of .2 points
AP Chemistry	3.358	96%	Score the same as last year.
AP Environmental Science	4.083	100%	Score slightly lower than last year, but only

				87.5 % took the exam last year.
AP Physics I	3.687			Slightly up from last year.
AP Physics C				
	Elec & Mag	4.29	91.2%	Up a full 1.0 point from last year.
	Mechanics	4.677	91%	Up from 4.3 last year when 72% took the exam.
AP Statistics	4.21	77.6%		Score up from last year, but lower percent taking the exam.
AP Calculus AB	3.863	98%		Slightly down from 4.2 last year with 89% taking.
AB Calculus BC	4.721	85%		Score up a full 1.1 points over last year.

PSAT scores

National Merit

- 20 Semifinalists
- 15 Commended

Strategies to support TWCP Goals

SRD class teaches

- students to read critically.
- Write a technical paper
- Conduct Research
- Design experiments to test for identified problem
- Identify statistical methods to evaluate data

Biology teaches:

- Read and think critically
- Analyze data
- Differentiate learning experience to provide challenging material for gifted and high achieving students.

Chemistry

- Supports writing with formal lab reports
- Analyze data

- Graph data and interpret
- Differentiate learning experience to provide challenging material for gifted and high achieving students

Physics

- Design experiments to test hypotheses
- Differentiate learning experience to provide challenging material for gifted and high achieving students

Mathematics

- Emphasis on critical thinking and problem solving
- Emphasis on PSAT prep
- Teach to understand and apply
- Differentiate learning experience to provide challenging material for gifted and high achieving students

Research and Problem are required extra-curricular activities that reinforce classroom learning.

- Robotics -teaches students to solve problems. Think and apply classroom knowledge.
- Envirothon- teaches students to research and solve current environmental problems
- Destination Imagination- students use creativity to solve problems
- Science Fair teaches students to research, design, and carry out a research project.

The Academy helps The Woodlands College Park High school meet eligible campus Academic Achievement Distinction Designations in Reading, Math, Writing, Social Studies and Science.

As a community of diverse students, all students are continually encouraged to set high goals, and work to reach their goals. They are given support from their teachers as they journey through high school.