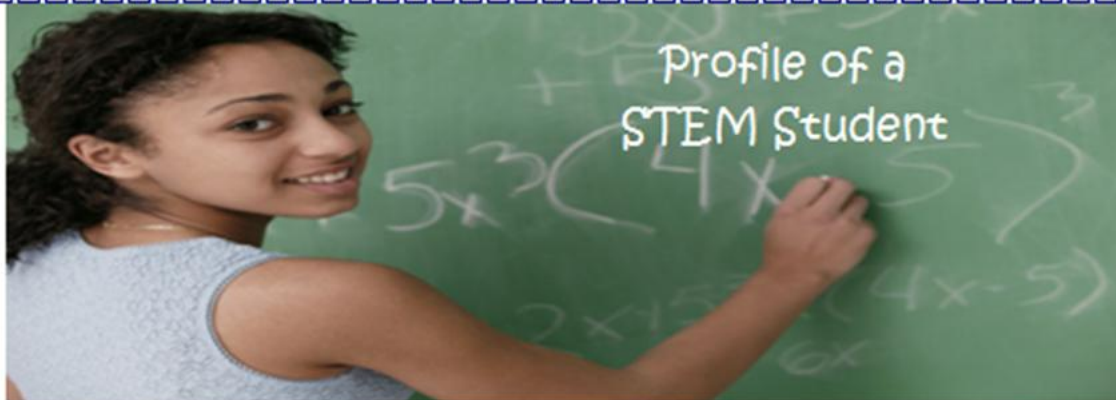


# Charles Herbert Flowers High School

## Project Lead The Way

### Engineering Application Form



*Is this for you?*

#### STEM Students:

- Communicate effectively
- Work diligently at solving problems
- Motivate themselves and others
- Take an active role in learning
- Use various types of reasoning
- Articulate understanding of concepts and ideas to various audiences
- Work effectively, independently and in groups
- Pull learning from success and failure
- Think critically
- Use curiosity and creativity to innovate
- Choose appropriate tools to carry out tasks
- Learn by Doing (Hands On, Minds On)
- Value hard work and be tenacious
- Have a willingness to explore and be resilient



#### A Successful STEM Student:

- Expresses an interest in being in the STEM program
- Attends school regularly and on time
- Turns in all assignments and projects on time
- Is organized and manages their time effectively (Estimate that STEM students need a minimum of 5 hours/week/course outside of class)
- Passes all state and county assessments the first time with proficient or advanced
- Is willing to take math all four years, with a goal of completing Calculus.
- Gathers information from multiple sources and articulates their comprehension
- Seeks and participates in real-world experiences outside of class (i.e., internships, summer camps, job shadowing, symposiums, workshops, competitions, etc.)
- Makes appropriate behavior choices
- Conducts his/herself responsibly so that they can qualify for jobs requiring background checks (marketable for future jobs). This includes socializing in and out of school and use of social media.





# CHFHS PLTW Engineering Application Form



## Charles Herbert Flowers High School

**Applicant:**

- ✓ **Must** live within **Charles Herbert Flowers HS** Boundaries
- ✓ **Must** attach 7<sup>th</sup> (Final), 8<sup>th</sup>, and/or 9th grade reports to the application

**Student Information:**

<b>Student Name:</b>			
	(Last)	(First)	(Middle)

<b>Address:</b>			
	(Street)	(City)	(State) (Zip)

<b>Phone Number:</b>		<b>Date of Birth:</b>		
			(Month)	(Day) (Year)

<b>Student's Cumulative Grade Point Average: (on a 4.00 scale)</b>	7 <sup>th</sup>	8 <sup>th</sup>
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<b>School Currently Attending:</b>	<b>Student ID#</b>
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<b>Counselor's Name:</b>	
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**Gender:**                       Male                       Female

**Ethnic Background (optional):**  African-American                       Native American                       Other

Caucasian                       Hispanic

**Mother Information**                       **Father Information**                       **Guardian Information:**

(Last)	(First)	Contact Number	Daytime Contact Number

<b>Email Address for Contact:</b> <i>(Please print clearly)</i>	
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**Mother Information**                       **Father Information**                       **Guardian Information:**

(Last)	(First)	Contact Number	Daytime Contact Number

<b>Email Address for Contact:</b> <i>(Please print clearly)</i>	
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**Parent/Guardian Consent: (Please check all that apply)**

- I consent to have my child interviewed for placement consideration in the 2021-2022 PLTW Program.
- I verify that the information provided on this application is accurate to the best of my knowledge.

<b>Parent/Guardian Signature:</b>	<b>Date:</b>
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**Notice to Applicant:**

- ✓ A copy of grade reports for 7<sup>th</sup>, 8<sup>th</sup> &/or 9<sup>th</sup> grade must be attached to this application. (A SchoolMax printout is acceptable)
  - ✓ You may be contacted for a personal interview.
  - ✓ All information on the application form is considered confidential.
- For additional information refer to [www.pltw.org](http://www.pltw.org)  
or contact Victoria Lee @ [victoria.lee@pgcps.org](mailto:victoria.lee@pgcps.org)

**Applications may be mailed or dropped off at the school, or emailed to:**

[Victoria.lee@pgcps.org](mailto:Victoria.lee@pgcps.org)  
**Subject Line:**  
PLTW Application – Student Name

*Please note: Communication will be via email. Please make sure your email is legible. Thank You!*  
**Additional student information...**

List the name of the math course you are currently enrolled.

List all math classes you have a completed.

List the name of the science course you are currently enrolled.

List all science classes you have a completed.

List any enrichment or honors courses you have completed.

List any Science Technology Engineering Mathematic (STEM) enrichments or camps you are currently or have been involved in.

Did you take Gateway to Technology (GTT- PLTW)?  No  Yes, which grade

What are you strengths?

What are you weaknesses?

What is your favorite class? Why?

How many days have you been absent from school this year?

**Student Essay:**

Attach a **typed** five – eight sentence paragraph explaining the following:

*In your opinion, what qualifies you for the Charles Herbert Flowers Project Lead the Way Pre-Engineering Program? In your essay, be sure to discuss your **work habits, interests and future ambitions** as it relates to the field of engineering.*

## The Commitment...

I am making a commitment to the full **four (4) years** of the program, which includes:

### Grade 9

English Honors 9  
 Social Studies 9 (US History)  
 Math (Algebra or higher)  
 Science (Biology Honors)  
 Foreign Language or Elective  
**Intro to Engineering Design (IED)**  
 Physical Education/Health

### Grade 10

English Honors 10  
 Social Studies 10 (LSN Government Honors)  
 Math  
 Science 10 (Chemistry Honors)  
 Foreign Language  
**Principles of Engineering (POE)**  
 Elective(s) (ART)

### Grade 11

English Honors 11  
 Social Studies 11 (World History Honors)  
 Math  
 Science 11 (Physics)  
**Digital Electronics (DE)**  
**Civil Engineering/Architecture (CEA)**  
 Elective(s)

### Grade 12

English Honors 12  
 Social Studies 12 or approved relative elective  
 Math  
 Science 12 (AP Physics or approved advance science)  
**Engineering Design and Development (EDD)**  
 Elective(s)

**Course Descriptions:** *please visit* [www.pltw.org](http://www.pltw.org)

### College Credit for PLTW Students:

PLTW students, from Certified Schools, take the PLTW/National Affiliate final exams. Students that receives an A, B, or C, in the course and score proficient on the national exam may apply for college credit. College credit is available to students enrolled in the following courses:

- Introduction to Engineering
- Principles of Engineering
- Digital Electronics
- Civil Engineering and Architecture

### PLTW Academic Requirements

(1) Students must maintain PLTW academic standards to remain in PLTW:

- Attainment of an overall Q.P.A. of at least 2.50 on a 4.00 scale
- Successful completion of all required courses; No **final** grade less than a “C”

(2) All students in the program are required to take the **PSAT/NMSQT** (Preliminary SAT/National Merit Scholarship Qualifying Test) and **SAT** (Scholastic Assessment Test) or **ACT** (American College Testing).

(3) Students must complete **two** approved summer engineering/STEM camp prior to their senior year; or take STEM related course at Prince Georges Community College (Dual Enrollment)

I understand that if I am accepted into this program, I will commit myself to work and adhere to program expectations and requirements necessary for continuation and completion of the Project Lead the Way Program.

\_\_\_\_\_ (Applicant Signature) \_\_\_\_\_ (Date)

I have read this application and information sheet and approve of my child’s participation in this education program if he/she is selected.

\_\_\_\_\_ (Parent Signature) \_\_\_\_\_ (Date)