

Digital Electronics

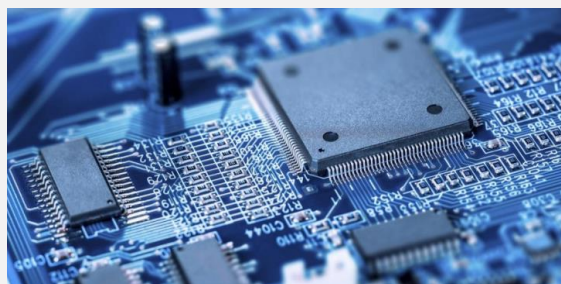
Mr. Albert



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What is Digital Electronics?



PLTW Digital Electronics (DE) provides a foundation for learning about electronics, circuit design, and electrical engineering. The course includes topics such as combinational and sequential logic, and students are exposed to circuit design tools used in industry, including logic gates, integrated circuits, and programmable logic devices. You will work individually and as a member of collaborative teams to apply math, science, and a variety of engineering tools to design, document, and communicate your engineering work. Many of the transportable skills you practice in this course—such as communication, collaboration, ethical reasoning, and process thinking—can be applied to your other courses and your future career!



Grading Policy

At the start of each section or unit, you'll get a list of learning goals. Grading will be a combination of formative assessments and summative assessments that align with DCPS Policy on Grading. Every Friday, we will have a class "check in" where you will show your progression and road to mastering the learning goals of the week. I'll provide feedback when you are struggling to master a learning objective & you'll get a chance to continue working toward mastery.



Accessing the Curriculum

This class has no textbook. Instead, all curriculum is online and we use web resources and lab work to learn. You can get to the official PLTW curriculum by going the myPLTW.org & logging on. I will use Schoology to assign & collect work & will link it to myPLTW resources. Whether learning at home or in the classroom, your laptop and/or phone will be one of your key resources.



Staying Connected

The best way to stay connected is by logging onto Schoology daily & following instructions there. If you are learning from home & are ever struggling with figuring out the instructions or what you are to do, I will be available by email & am also happy to set up a Google Meet to talk you through anything you're confused about. If you need help, just ask:)

REQUIRED MATERIALS



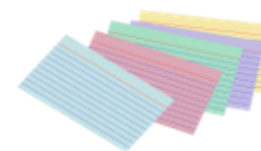
1 Notebook or Binder

To use hold your class notes



Colored Pencils

To complete diagrams
At home



Index Cards

To study Vocab
and Concepts

SMARTPHONE APPS



Google Meet



Schoology

What is PLTW Engineering?

<https://www.youtube.com/watch?v=yyDn9dXJ3MI>

POLICIES

Complete all work on time
Be honest (do your own work)
Persist until mastery occurs

GRADING SCALE

100 90 80 70 60

A B C D F