



STEM + ARTS = STEAM

Groves Engineering Tech

Rosa A. Everitt



Today's Schedule

HOURS:

1 st – Architecture A	7:25-7:35
2 nd – Architecture A	7:40-7:50
3 rd – Engineering Foundations	7:55-8:05
4 th – 5 th Office Hours	

When I am not teaching...

- ▶ Department Head for Career Focused Education at Groves High School
- ▶ Regional Advisor for the Michigan Industrial & Technological Education Society
- ▶ Curriculum writer for Algebra 2 in Engineering for the state
- ▶ Adjunct faculty for OCC
- ▶ Mom of two little boys



My Background

- ▶ Associates in Tool Fixture and Die Design from Macomb Community College
- ▶ BA – English, Italian, and Drafting & Design/Engineering from Wayne State University
- ▶ MA – Romance Languages
- ▶ Spent 9 years in Aerospace as an Engineering Assistant, Draftsman, Manufacturing Engineering Co-op, & High School Co-op Trainer
- ▶ This is my 9th year of teaching



Why do I teach?

“It is the supreme art of the teacher to awaken joy in creative expression and knowledge.”

~Albert Einstein



Architecture

- ▶ In this class, students will learn about the design process and how it applies to designing a home for a client with very specific constraints.
 - ▶ Such as square footage, style, plot location, basic house style, etc
 - ▶ Students will design a full 3D virtual model of their home at the end of 13 weeks, with a basic blueprint and presentation
 - ▶ Students are keeping an Architectural sketchbook to record their ideas, as well as classroom notes.
 - ▶ At the end of the trimester, students will display their work in an online portfolio
 - ▶ Students have the opportunity to enter their into MITES come May, regardless if they are in my class or not.



Engineering Foundations

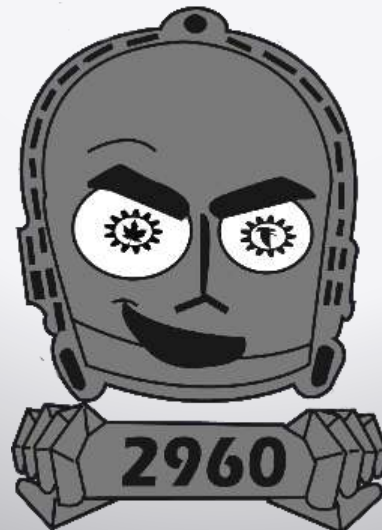
- ▶ This is a pilot course that allows students the opportunity to survey a variety of engineering fields:
 - ▶ Mechanical
 - ▶ Architectural
 - ▶ Civil
 - ▶ Electrical
 - ▶ Computer
 - ▶ Industrial, etc
- ▶ Students will have a very hands on approach to engineering through units of study and projects utilizing the Engineering Design Process.
- ▶ Students will record their process, as well as notes, and homework in an Engineering Notebook; it is imperative they have one to stay organized, on task, and an active team member

Robotics Team

2 Seasons: Fall & Winter
OCCRA
FIRST

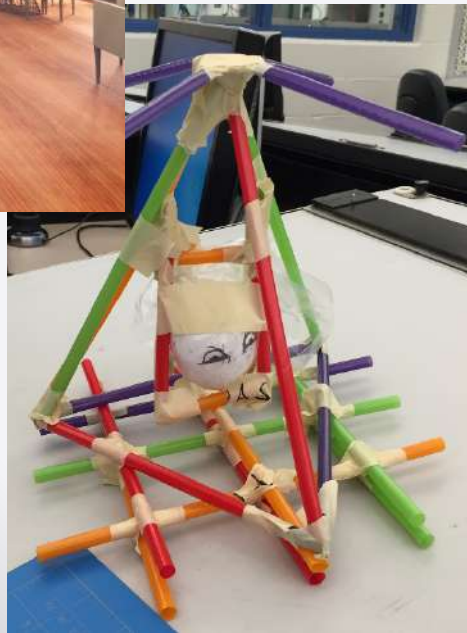
We pride our selves on student designed and student built...our adults are mentors and facilitators from the education field, engineering, and computer science.

Coach: Bernie Simms
Meetings: Seaholm High School
bsimms@Birmingham.k12.mi.us



Sample work...

Check out my Groves
Teacher Page for new
and upcoming
projects!



<https://www.flickr.com/gp/130038147@N03/hB3J98>

Course Information

- ▶ Contact me: Reveritt@Birmingham.k12.mi.us
- ▶ My Office Number: 248-203-3623
- ▶ Remind Text Messaging
 - ▶ Architecture TEXT @archa1 to 81010
 - ▶ Engineering TEXT @engcad to 81010
- ▶ Students have a Google Classroom Account.
 - ▶ Usernames: schoolID@bps-schools.com
 - ▶ GOOGLE CLASSROOM is their online classroom platform: it contains the daily agenda, notes, homework assignments, reminders, etc...
 - ▶ Parents can be invited as guests if need be

Thanks!

