



Contact Information

770/507-5407

houston@henry.k12.ga.us

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**Parents, please review this information with your child. Return only the bottom portion of this page to Ms. Houston.**

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I have read the syllabus and am aware of the, expectations, requirements, and procedures regarding the Engineering and Technology room. I am also aware that coming prepared for class, participation and the completions of tasks and projects are major components of the Engineering and technology grade.

Student Name (print): \_\_\_\_\_  
Gr/Academy/Pd 6<sup>th</sup> 7<sup>th</sup> 8<sup>th</sup> A R M 1 2 3 4 5 6

Student Signature: \_\_\_\_\_

Parent/Guardian (print): \_\_\_\_\_

Parent / Guardian (signature): \_\_\_\_\_

Parent / Guardian phone number: \_\_\_\_\_

Email: \_\_\_\_\_

Preferred method of contact (CIRCLE):  
Phone or Email or Agenda Note

## Required Supplies

- Regular wooden pencil
- Ink pen (blue or black)
- Small hand-held pencil sharpener
- 3-prong folder with pockets
- Loose-leaf paper

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Wish List

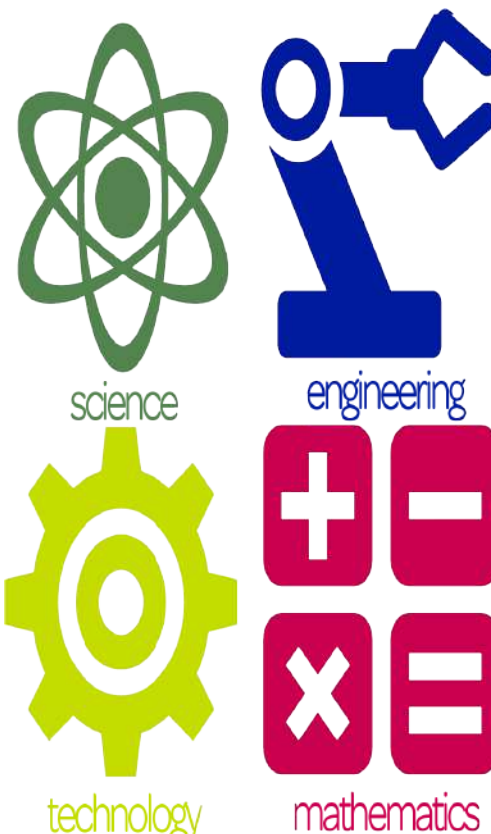
- Liquid hand soap
- Paper towels
- Hand sanitizer
- Lysol spray
- Antibacterial wipes
- Tissue
- Mouse traps
- Dvd's
- Liquid Elmer's glue
- Popsicle sticks

Required Daily Class Items

- Pencil / pen
- 3-prong folder with pockets (this is your notebook)
- Positive attitude
- Great work ethic

Engineering and Technology Course Syllabus

This 18-week course provides an introduction to the principles of Engineering and the place engineering and technology have in the modern world. Students will learn to solve problems in an effective way, work through the engineering design process while noting the technology impacts on society and the world around them. Students will also have an opportunity to show their knowledge through hands-on problem-based projects.



Ms. C. Houston, Instructor

The Course

The Engineering and Technology course will be presented to the students in a multimedia format. The students will access course information via LearnMate which is an online course taught in a face to face learning environment. Students will be presented information, have an opportunity to re-read and review this information online then be assessed through online quizzes and assessments, performance tasks and hands-on projects.

Course Units

- Work Ethics
- Introduction to Engineering
- Introduction to Industrial Design
- The History of Product Design
- Engineering in Society

- Careers in Engineering
- Engineering Approaches to Product Design
- The Universal Systems Model
- Reverse Engineering
- Engineering Ethics
- Design Tools
- Technical Drawings
- Mechanisms – Simple Machines
- Human Factors Engineering
- Performance Projects

Technology Student Association (TSA)

All Engineering and Technology students are encouraged to join the Technology Student Association (TSA). TSA is an organization that fosters personal growth, leadership, and opportunities to apply and integrate concepts in Science, Technology, Engineering and Mathematics (STEM) through co-curricular activities and competitions.

Student Expectations

- Respect others and respect the property of others.
- Follow directions.
- Give your best effort on all assignments.
- Leave your workstation clean and in order.
- Practice safety in the classroom
- Leave all food, drink, gum and candy in your locker. They are prohibited in the classroom.
- Practice good citizenship
- Complete and turn in assignments when they are due.

Grading

Student grades will consists of the following:

Class participation	20%
Notebook checks	5%
Quizzes	25%
Assessments / Projects	35%
Final Exam	15%
A 90 – 100; B 80 – 89; C 74 – 79;	
D 70 – 74; F BELOW 70	