Welcome to 7th Grade Technology   2025-2026
Period 5 & 7 - Room Tech 1

What is 7th Grade Technology?

Students combine resources and techniques to create systems, attaining comprehension of how technological and engineering systems work. Students will explore, design, redesign, analyze, and evaluate technological and engineering systems. By simulating systems and assessing their impacts, students gain insight into how to approach the problems and opportunities of a technological and engineering world. Students apply the engineering design process through participation in hands-on engineering projects. They also explore technology and engineering careers and how this all applies to our daily lives.

Units of Study:

Unit 1 - The History of Technology

    Unit Overview:- The class will look at all the era's of technology from the Stone Age to modern time. There will be 3-4 Google Slide arraignments per quarter

Unit 2 - Safety

    Unit Overview - Classroom hand tools and machine safety.

Unit 3 - Engineering Design Process

    Unit Overview - A close look at how engineers design a product from start to finish. Project will be the Oven Rack Tool

Unit 4 - Inventions and Innovations

    Unit Overview: - The class will design and build a brand new invention. The students will use the Design Process to achieve their design goal. Project will be the Marble Tic Tac Toe

Unit 5 - Dorm Room

    Unit Overview - An indepth look into interior design, ratios and proportion. The students will design and build a scale model of their ultimate dorm room. Watch out - there is a cost analysis at the end so students must work within a budget.

Unit 6 - **Coding**

Unit Overview - The students will learn some basic computer programming skills. The student will achieve this through a website design working with CODE.ORG. Laptops will be mandatory every class through the unit.

Unit 7 - **Robotics**

Unit Overview - The study of robotics and how they ultimately affect society. The students will work in teams to design, build, and program a robot to perform a given task. At the end the students will have a class tournament.

Technology class is a fun hands-on class learning about real world skills and trades. Class participation and cooperation is paramount everyday the student is in class. The following are guidelines that will help your child succeed in class.

Class Expectations:
- You must be in the classroom prior to the late bell. If not, you will be marked late.
- All school policies will be followed (including HEADGEAR and PHONES)
- A charged laptop must be with the student every time we meet in class
- The school's computer policy will be upheld
- You must join and maintain a GOOGLE CLASSROOM account
- Marble notebook
- Pen or pencil, and laptop must be with the student at every class
- Students are responsible for time missed in the class. The expectation is that the student will ask me what they missed upon their return to class.
- All policies and guidelines set forth in the Student Handbook are applicable here.
- All violations of school policies will be handled with disciplinary actions
- Machine and Tool safety is paramount. Any misuse, abuse, or failure to comply with machine and tool safety will be subject to disciplinary action

Student Absence from class:
- It is the student's responsibility to ask the teacher and find out what they missed after returning to class after a legal absence. All work given can be made up with no penalty upon returning to class
- If the student has an illegal absence from class, like a cut, and work missed that day is an automatic zero and will not be made up at all.
.

Grading:

Your total grade will be divided into the following categories:

- Tests/Projects/Quizzes - 35 %
- Classwork (classwork assignments) - 50 %
- Participation - 15 %

Students are responsible for handing in work on the date set forth by the teacher. Work that is handed in late will be graded according to the following as per ERHS policy:

Late Policy
7th & 8th Grade

1. Assignments due prior to Progress Reports, may be handed in late up to the posting of Progress Reports with a 5-point penalty for each day late (weekends included).
2. A maximum of 2 assignments can be turned in late each quarter.

Important Grading Dates:

1st Quarter - Progress reports 10/03	Quarter grade 11/05
2nd Quarter - Progress reports 12/9	Quarter grade 01/23
3rd Quarter - Progress reports 03/03	Quarter grade 04/13
4th Quarter - Progress reports 05/13	Quarter grade 06/25

Attendance:

The school's attendance policy applies. If a student misses too many classes they may be denied credit. Late means you are not in the door on or before the bell rings. Any lateness that exceeds 10 or more minutes will be considered a cut

Contact and Extra-Help Information:

Email: hhoward@eastrockawayschools.org

Extra-Help Days and Times: Tuesday and Thursday @ 7:20am

Extra-Help Location: Tech 2

East Rockaway Junior-Senior High School

Course: *7th Grade Tech*

Teacher: Mr. Howard

7th Grade Tech   2025 - 2026

Period 5 or 7 - Room Tech 1   Full Year - Every other day

Parent and Student Signature Sheet

By signing this you have acknowledged all of these class expectations and you have your own copy.
There is also a digital copy in your Google Classroom

Also, you are acknowledging that there is a zero tolerance for cell phones as per NYS law and ERSD BOE policy. Insubordination of these policies will result in immediate referrals and multiple referrals will lead to detentions and/or in school suspensions.

Student signature _____ Date _____

Student Name (print) _____

Parent signature _____ Date _____

Parent Name (print) _____