



Career and Technical Education

Dear Students and Parents,

Welcome to the second semester of the 2023-2024 School Year. The world around us, as we know it, is changing rapidly and education is responding and adapting to these changes. The way in which students learn and the rising necessity to be prepared for today's workforce opportunities are also shifting. Science Technology Engineering Arts and Math (STEAM) related courses expose students to a variety of 21st Century skills that are increasingly demanding and desirable in future careers. Among these skills are adaptability, complex communications, nontraditional problem-solving, and self-management systems of thinking.

This CTE course specifically focuses on Technology Engineering and Design principles. Students will work daily, in collaborative teams, to develop their knowledge and abilities utilizing various tools including multimedia applications while performing rigorous hands-on activities through STEAM labs. Students will explore their interests and aptitudes that may be suited for a wide range of post-secondary careers.

Career and Technical Education Curriculum:

- Course Name by Grade
 - 6th Grade – Engr: Exploring Technology II Remind Code @nastasi6
 - 7th Grade – Engr: Invention and Innovation II Remind Code @nastasi7
 - 8th Grade – Engr: Technological Systems II Remind Code @nastasi8

Supplies

- A folder in your binder for Engr. class resources, Do Now's, notes, syllabus, etc.
- 12-inch ruler
- Black sharpie
- Markers
- Colored pencils
- Loose-leaf notebook paper in binder

Grading

A 90-100 B 80-89 C 70-79 D 60-69 F 40-59

Mis - missing (not turned in) will calculate as a zero

Grading Categories and Weights

Classwork/Participation 40%
Quizzes/Projects/Labs 40%
Assessments 20%

(Quizzes and Assessments - retakes will be available at the teacher's discretion.)

I look forward to working with you and your student to make them as successful as possible this school year.

Mr. Nastasi, Rm. 907
Michael.Nastasi@onslow.k12.nc.us
<https://www.onslow.k12.nc.us/Domain/12018>



Career and Technical Education

Please sign and return by Tuesday January 30, 2024. If you do not have an email address, please provide a current phone number(s) in which you can be reached. Also, please notify me if your contact information changes throughout the semester.

Student Name (print)

Student Signature

Parent/Guardian Name (print)

Parent/Guardian Signature

Email:

Phone:

Alternate Phone:

Technology and Engineering Education Laboratory Acknowledgement Form

By signing this form, both the parent/guardian and the student acknowledge that they are aware of the potential safety risks of using tools, machines, chemicals, and other hazardous items present in the Technology and Engineering education laboratory. They also acknowledge that they are aware of the rules/regulations of the Technology and Engineering classroom/lab(s) at Trexler Middle School, and the student agrees to uphold all classroom, laboratory, tool, machine, and school/county rules/regulations as they pertain to his or her safety. **Students will not be allowed to use any tools, machines, chemicals, or other hazardous items unless this acknowledgement form is signed by both the student and their legal guardian.** This form will cover all equipment used: mechanical, electrical, and hand tools. **Please understand that the safety of the student is always the first concern in the Technology and Engineering laboratory.** The instructors and administration of Trexler Middle School reserve the right to decide who may or may not use the potentially hazardous items in the Technology and Engineering laboratory at any time. Thank you for your support.

General Safety Rules:

- Tools, machines, chemicals, and other hazardous items can only be used when the technology and engineering education instructor is present, permission has been received from the instructor, and the student has received instruction in its safety precautions. Equipment can only be used for its intended purpose and may only be used for school projects approved by the teacher.
- Student must pass all lab and equipment safety quizzes with 100% accuracy. They must practice and adhere to all safety rules learned from these safety quizzes.
- Students should never work alone in the laboratory.
- Food, Gum, and open drinks are NOT allowed in the laboratory.
- Horseplay, running, yelling, or talking to an individual while operating a machine or tool is NOT permitted.
- Students that are presented as a safety risk are NOT permitted in the laboratory.
- Dress properly. No open toed shoes. Loose clothing and jewelry must be removed. Long hair must be confined.
- Sanitized ANSI Z87.1 eye protection will be provided and must be worn per state law. Students may purchase and bring in their own ANSI Z87.1 approved eye protection if they prefer to do so.
- Each student work area will be kept clean and tidy. Saw dust, water, glue, paint, and other spills must be wiped up and disposed of properly.
- Always be careful when carrying sharp tools, and long or heavy objects.
- All faulty equipment, or any other unsafe condition, must be reported to the teacher immediately.
- All injuries, no matter how small, must be reported to the teacher immediately.
- Only one operator allowed in each machine's safety zone at a time.
- Only carry what you can safely handle.
- When in doubt about any machine or procedure, don't use it... STOP AND SEEK ADDITIONAL INFORMATION FROM THE TEACHER.

I have reviewed the general safety rules with the student. I understand that there is a risk of the student getting injured if these general safety rules are not always followed. I give the student permission to use the tools, machines, chemicals, and other hazardous items in the Technology and Engineering Laboratory once they have participated in the safety demonstrations by the teacher and passed all safety quizzes with 100% accuracy.

Student Name: _____ Student Signature: _____ Date: _____

Parent/Guardian Name: _____ Parent/Guardian Signature: _____ Date: _____

TECHNOLOGY AND ENGINEERING EDUCATION SAFETY ACKNOWLEDGEMENT FORM

School: Trexler Middle School

Instructor: Mr. Nastasi

To: _____
(Parent or Legal Guardian)

_____ is enrolled in our technology and engineering education program and will
(Name of Student) have the opportunity to use various tools and equipment.

Appropriate instruction in the safer operation of these tools and equipment is given, and close supervision is maintained at all times. Although every precaution is taken to prevent accidents, a certain risk is involved due to the nature of the experience, the age of the student, and the learning environment.

We are asking your cooperation in impressing upon your child the importance of following all safety rules and procedures resulting from the fact that the technology and engineering education laboratory can be an unsafe place to work and learn. This acknowledgement, we believe, will support a safer working/learning experience.

Thank you very much for your help and assistance in providing your child with the "real world" experience of technology and engineering education in a safer working/learning environment.

I have read the attached communication and understand the type of program that _____
is enrolled in. (Student's Name)

I will stress the safety aspects of this program to my child. I encourage my child to participate fully in this technology and engineering education program and to follow all safety rules and procedures.

_____ Date: _____
(Signature of Parent or Guardian)

Phone: (Primary) _____ (Alternate) _____

I agree to observe all safety rules and procedures for safe operation and conduct, and I will always wear approved personal protective equipment such as appropriate eye protection while in the laboratory.

_____ Date: _____
(Signature of Student)