

# **McMath Middle School Engineering Technology**

## **Course Handbook 2025-2026**

### **What is Engineering Technology at McMath?**

Engineering Technology is a High School level course. Students will earn High School Credit for this class. As such, it has a high level of expectations. It is a rigorous STEM course that can be taken as a 7<sup>th</sup> grader or 8<sup>th</sup> grader. There are 4 modules (semesters) for High School Credit available in Middle School.

### **Principles of Applied Engineering – 7th or 8th Grade**

Principles of Applied Engineering (PAE) provides an overview of various fields within science, technology, engineering, and mathematics (STEM). The course is a hands-on, project-based program that introduces students to the engineering design process, problem-solving techniques, and essential communication and technology skills.

### **Principles of Arts, AV, and Communications – 7th or 8th Grade**

Arts, Audio/Video Technology, and Communications (AAVTC) class prepares students for creative and technical careers in multimedia content. The curriculum focuses on both artistic aptitude and technical skills, combining design, production, and communication.

***My name is Deanna Seigler and I will be your Engineering Technology Instructor. Please feel free to contact me with any questions.***

**Deanna Seigler**

**dseigler@dentonisd.org (email preferred)**

**940-369-3339**

**Lab Fee for PAE / AAVTC \$40: (\$50 total if taking both classes)**

**Due Friday October 31, 2025**

**If paying by CASH:**

Please send cash *IN AN ENVELOPE* with the student's name & period printed on the front.

**If paying by CHECK:**

Please send a check *IN AN ENVELOPE* with the student's name & period printed on the front.

Please write your phone number on the top left of the check.

Checks should be made out to McMath Technology

*I want every student to be able to take the course, so if you are unable to pay the full amount, please contact me via Email at [dseigler@dentonisd.org](mailto:dseigler@dentonisd.org) and we can set up a payment plan or assign a waiver if needed. If you would be willing to sponsor a student that can not afford the fee, that would be greatly appreciated.*

**What do the fees cover for your student?**

- Maintenance of current tools & parts
- Purchase of new tools & parts
- Consumables for the Program
- Replacement of parts / tools that have worn out or have become a safety concern
- Engineering Journal including all paper, pencils, & supplies

**What is NOT covered?**

- Fees do not cover Repair or Replacement of tools or parts due to intentional or accidental breakage by the student.

## ***Lab Setup and Safety:***

Our lab has computer stations and work-stations. Students will be using a variety of hand tools and power tools during these classes. They will be required to pass a safety test on each tool before they are allowed to use them. Those who are not behaving safely with the tools and supplies will be given alternative assignments or removed from the class. Please see the CTE Waiver (to follow) for more information.

## ***Daily Classroom Procedures and Expectations:***

- Come to class prepared
  - Bring your chromebook, charger, and positive attitude
  - NO phones/backpacks
- Enter the lab unless told to wait in the hallway
- Collect any items listed on the projector and go to your assigned seat so we can begin at the bell.
  - We will be using an online notebook and will also have select supplies provided.
  - Most days, there will be a journal assignment at the start of class.
- Respect the lab and equipment:
  - Show respect to each other by keeping all these areas neat and clean.
  - Do not waste supplies or mistreat equipment
  - At 1-5 minutes, depending on the activity, at the alarm all work stops.
  - Put away materials and clean your work area.

## **Do Not...**

- Bring food, drinks, candy, or gum into the lab areas
  - We have new computers and tables this year so there will be no food or drink (including water bottles) unless there is medical necessity or if I provide. Water bottles can stay on the entry cart.
- Touch equipment that is not yours
- Play games on school computers unless assigned (See AUP)
- Run / horseplay in the lab / shop. (SAFETY is job #1)
- Use foul language or cause disruptions to the class
- Enter the shop, storage rooms, or Mrs. Seigler's desk area without permission.

## ***CELL PHONE / Device Expectations***

- In accordance with McMath policy, student cell phones/earbuds and other smart devices must be turned off and stored in lockers. Items out during class will be sent to the front office for parents to pick up (\$15 fee per Denton ISD and McMath Handbooks).
- Earbuds/headphones policy: NO wireless headphones are allowed at McMath. If we need sound, I will provide headphones for use in class. **Please leave personal headphones/earbuds in your locker or at home.**

## ***Denton ISD Acceptable Use Policy***

- Chromebook and lab computer use must comply with the Denton ISD Acceptable Use Policy (AUP) <https://www.dentonisd.org/aup>
  - Use of the DISD network or devices by students is intended for class purposes only. Disciplinary action can start at the revoking of student access for a day, to a student not being able to use or bring ANY device on campus.
  - AUP for students refers to using devices for classwork and class projects that the teacher intended the device to be used for. For example: If a student is in SCI class and supposed to be researching adaptations of animals, but instead decides to check game scores from baseball games the night before. He/she has broken AUP for DISD. Disciplinary action can occur. So even though the content is not “inappropriate,” the student is using the device to access content that is not class related and against the instruction of the teacher.

## ***Tutorials:***

Tutorials will take place in my classroom before school at 7:45 Monday through Wednesday. (additional times by request)

Students MUST inform me 24 hours in advance so I can prepare.

### ***When requesting a tutorial:***

- *Plan ahead- know exactly what you need to be successful.*
- *Be specific so I can respond in kind. This saves lots of time for both parties.*
- *Consider writing down questions so things are not forgotten, thus eliminating emails.*

## ***Grading Policies***

Formative Grade: 0% of Student Average-----Not Re-assessable

Minor Summative: 40% of Student Average --Not Re-assessable

Major Summative: 60% of Student Average -----Re-assessable

\*Grades will usually be entered in the Gradebook within one week of taking the grade. Once an assessment has been given, ***if the assignment is re-assessable***, students are allowed 4 school days to raise the earned average up to a maximum of 90%.

**\*Note\*** Long-Term Projects, Step-by-Step Large projects, or Final assessments are NOT available to reassess. \*(The instructor had given feedback during the process of the project)

**\*Note\*** 90% is considered mastering the content, not 100%. **This is district policy.**

**DENTON INDEPENDENT SCHOOL DISTRICT**  
**CAREER & TECHNOLOGY EDUCATION**  
**PARENTAL APPROVAL**  
**FOR USE OF TOOLS AND EQUIPMENT**

School: McMath Middle School

Course: Arts & AV/Engineering

Students enrolled in Career & Technology education courses learn through using the tools and equipment common to this course. Students receive complete instructions and demonstrations concerning the safe use of equipment. Tools and equipment include the following and are not limited to: Glue Guns, Soldering Irons, Scissors, Saws (including scroll, reciprocating, band, chop, circular), Box Cutters, Nail Guns, Sanders, lathe, snips, hammer, screwdriver, wrenches, etc.

Before students are permitted to use any equipment, they are required to demonstrate an understanding of the safety rules involved in the use of that equipment, must pass a safety examination, and adhere to all safety guidelines.

Precautions are taken to assure the safest working conditions possible, but there is an element of danger when working with any equipment. As the Denton Independent School District and its employees cannot assume responsibility for any accident or injury, it is necessary to secure approval for your son/daughter to use tools and equipment.

**Please read the statement below and indicate approval with your signature on the paper form provided.**

I hereby grant permission for my son/daughter to use and/or operate equipment in the Career and Technology Education laboratories in the Denton Independent School District and hold harmless the district and employees for all claims.

*Denton ISD does not discriminate on the basis of race, color, national origin, sex, or disability in its programs or activities and provides equal access to the Boy Scouts and other designated youth groups. Inquiries regarding the nondiscrimination policies may be directed to the appropriate district contact listed on the Denton ISD Non-Discrimination District Contacts page: <https://www.dentonisd.org/Page/100128>*