

# 2024-25 Accelerated Technology Informational Packet

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Technology Teacher

Mr. Travis  
Technology Teacher

Mr. Nagy  
Technology Teacher

Mrs. Barra  
Academic Administrator of Technology

## **Application Form**

Opens 2/07/2024 immediately following presentation at approx. 7:30 PM.  
Application closes 3:45 PM 2/26/2024.

[Link to Application Form](#)

or

<https://bit.ly/2024AccTechApp>

### **Please Note:**

***Students can access the application form through their shenschools.org account on their school issued Chromebook.***

Greetings!

We want to take a moment to present an exciting opportunity that may be of interest to you. In September, you will be entering 8<sup>th</sup> grade, so high school is just around the corner. With this in mind, you may want to consider the option of accelerating in Technology. Hopefully you have an interest in Technology and realize that following your interests can help you in the future. Therefore, we would like to invite you to learn more about Accelerated Technology.

The option for Accelerated Technology is Design and Drawing for Engineering (DDE). The course is offered to 8<sup>th</sup> graders for high school credit during period zero (before school) or within the school day. This is a unique opportunity for students interested in Technology to get a jump on their high school electives. By accelerating, students will have access to more upper level Technology Education electives in high school.

Please feel free to email one of us if you have questions,

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## \*\*\*\*\*FREQUENTLY ASKED QUESTIONS\*\*\*\*\*

### What is Technology Education?

Technology Education consists of pathways that help students learn about technology related careers. This includes construction, architecture, engineering, automotive technology, computer aided drafting, manufacturing, electronics, computer science, and much more. In all technology courses, students work on projects that build skills in math, science and technology.

### How do students typically elect this program?

In grades 9-12, students can elect to take Technology Education courses. Over a four year high school career, students often complete a 3 or 5-unit pathway that is designed to prepare them for college or a technical career.

### What does acceleration mean?

The New York State Education Department has recently released flexible pathways to the attainment of a Regents Diploma with Advanced Designation. One pathway includes a 5 unit sequence in Career and Technical Education (CTE). Our technology courses all qualify for this advanced designation. Acceleration provides students with the opportunity to begin their high school Technology Education program earlier. This allows students to complete a 5-unit sequence over a period of 5 years rather than the traditional four. Please see the [High School Program of Studies](#) for a listing of course offerings in the Technology Department.

### What course is offered for Acceleration?

#### **Design and Drawing for Engineering (DDE)**

DDE is the first course in the Pre-Engineering sequence. Students strong in Math & Science and interested in Technology are best suited for DDE. In this course, students are challenged to solve relevant design problems using a variety of skills and techniques. While developing solutions to problems, students learn to communicate their ideas through drawings. Most of their designs are modeled and simulated in a 3D solid modeling program called Autodesk Fusion. At the completion of DDE, students also have an option for college credit. RIT offers 3 credits to students that complete the course with an average of 85% and score a minimum performance level as determined by RIT.

*Note: students that qualify for the RIT college credit will be notified in the summer following completion of DDE. Instructions and forms needed for the purchasing of college credit will be included.*

### When is Accelerated Technology offered?

There will be three sections of Accelerated Tech next year. Two sections will be during Period Zero every day, before the start of a typical middle school day. Transportation information will be shared when it becomes available. A third section will be offered within the school day, in a 60 minute block, two out of three days. Please keep in mind Accelerated Tech is a **class**, not a club. **Attendance is required**. Students taking this class during period zero will not be able to participate in other before school activities.

### **Do 8<sup>th</sup> grade students earn high school credit in Accelerated Tech?**

YES – Accelerated Tech satisfies 1 Unit of high school credit. DDE also satisfies the graduation requirement for 1 unit of Art or Music. The final letter grade for this course will appear on the student's high school transcript.

### **If a student accelerates In Technology, does he/she still have to take 8<sup>th</sup> grade Tech?**

YES. Regardless of high school acceleration, students must complete all mandated middle school course requirements.

### **What are the benefits of acceleration?**

- By accelerating, students enjoy the option of distributing 5 high school electives over five years rather than four.
- DDE satisfies the high school graduation requirement for 1 unit of Art or Music.
- High performing students in DDE can qualify for college credit from Rochester Institute of Technology.
- DDE is a prerequisite course for several upper level Technology Education electives.

### **What are the selection criteria for Accelerated Technology?**

- Be an 8th grade student in 2024-25.
- Have a good attendance record.
- Strong Math and Science grades
- Show interest and proficiency in design, drawing and 3D modeling
- Have a strong work ethic and be willing to address difficult problems.
- Be willing to work hard in a fast-paced curriculum.
- Completion of an online application form expressing why you would like to participate.

### ***Please note: Availability of this program is limited.***

Students are selected based on their grades and information provided in the application form. Applicants will be informed of their status in May.

### **How do students enroll in Accelerated Tech?**

***Submit the application form at the link below beginning at ~7:30 PM on February 7th (immediately following the information presentation) but no later than 3:45 PM on Monday, February 26th. Late applications will be held on a wait list.***

***Please note: Students can access the application form through their shenschools.org account on their school issued Chromebook.***

**[Link to Google Form Application](https://bit.ly/2024AccTechApp)**

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