

## 2021-22 Accelerated Technology Informational Packet

**March 1, 2021--video information presentation ([found at this link](#))**

**March 3, 2021, 8:00--9:00 AM--Q & A via Google Meet ([at this link](#))**

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Academic Administrator of Technology

### **Application Form**

Opens 3:45 PM 3/03/21

Closes 3:00 PM 3/19/21

<http://bit.ly/acctechapp>

#### **Please Note:**

*Students must be logged into their shenschools.org account to access the application form. If the students use their school issued Chromebook, they will automatically be in their shenschools account.*

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 interest 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). This is a unique opportunity for students interested in Technology Education to get a jump on their high school education. By accelerating in Technology Education, students will have access to more upper level Technology Education electives in high school.

To find out more about this exciting opportunity, you and your parent(s)/guardian(s) are invited to watch a brief video which will be available beginning March 1st via *this link* . We will be available to answer questions via Google Meet on Wednesday, March 3rd at 8 A.M *at this link*.

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 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. Although it is recommended that students complete a pathway in Technology Education, some elect to take a few courses simply based on their interests.*

### **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 courses are 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 stanine 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?**

*Accelerated Tech runs during Period zero of the Middle School schedule, before the typical middle school day. Transportation information will be shared when it becomes available. Following Accelerated Tech, students report to their homerooms. Please keep in mind Accelerated Tech is a **class**, not a club. **Attendance is required**. Students taking this class will not be able to attend before school activities during period zero.*

### **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.*

**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 or more 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 RIT (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 2021-22.*
- *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 the grades and information provided in the application form. All 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 3:45 PM on March 3rd but no later than 3:00 PM on Friday, March 26th. Late applications will be held on a wait list.***

***Please note: Students can access the application via their Chromebook using their Shenschools account.***

**[Link to Google Form Application](#)**

**<http://bit.ly/acctechapp>**