



Carroll STEAM Newsletter

February 2022

Important Information:

February 5th - VASE (Visual Art Scholastic Event)

Competition changed to a Virtual Event

February 12th - Robotics Tournament @ CHS

February 24-26th - DECA State Competition in Houston

March 4th-6th - BPA State Competitions in Fort Worth

April 28th - 2022 Rocket Launch!

May 4th - AP Comp Sci A Test

May 9th - AP Comp Sci Principles Test

Follow us!  

Robotics



Carroll Robotics teams are in the midst of their VEX Tipping Point competition season with all 15 teams striving to qualify for the State Tournament on March 5th. Currently 5 teams are qualified for State! Our school will host their next tournament at CHS on February 12th with spectators welcome.

At the state tournament in March, teams will be competing for a spot at the VEX World Championship, which is being held in Dallas this May!



Rockets

In Rockets I, students are researching and designing their 1 lb, 1 mile rocket using a program called "RockSIM." Students completely design and build their rocket from scratch, using only the guidelines in the "Flight Readiness Review (FRR)," a document that includes any and all requirements/restrictions to ensure a safe launch in April!

Students are given a budget to purchase materials from approved vendors and are tasked with procurement, construction, any necessary machining of parts, and final assembly.



Students in Rockets II are currently working on the construction phase of their Transonic Rocket. In addition to passing the FRR, students in Rockets II must perform three component tests on their rocket. Students determine what components they want to test, design a controlled experiment, and produce a report with their results.

Examples of component tests are pressure testing of an altimeter, force testing of components (parachutes, airframe, fins, epoxy, etc.), and verification of recovery system operation!

Principles of Engineering



Our POE students are finishing up the Statics Unit with the Bridge Designer Project. Students have to design and build a bridge that can withstand the weight of a truck safely travelling across it, all while staying under budget!

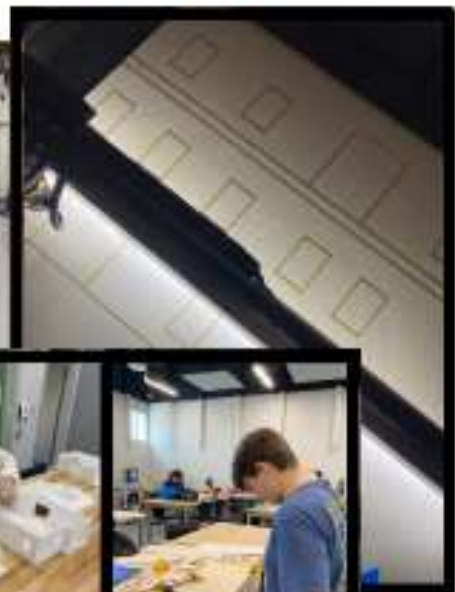


Once they finish this project, students will move to the projectile motion unit with catapults!

Civil Engineering & Architecture

CEA Students are continuing work on the Affordable Housing project. This project has the students working with a client on the design, sketching and creating in Revit, and completing the project by building a 3D model of the home.

Some of the students are utilizing the Fusion Laser Engraver/Cutter for their models.





Art

February 2022



Digital Art & Media

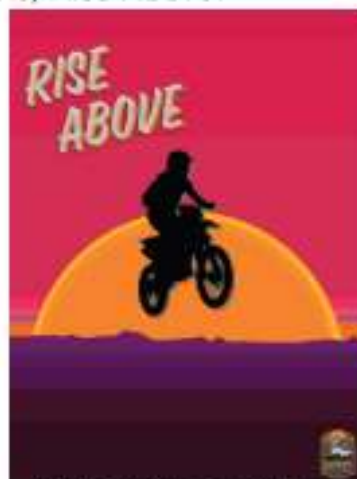
Dragon Digital Artists created posters for the School Board with the theme, 'Rise Above'.



Digital Poster Design- Ethan Palmersheim



Digital Poster Design- Noor-E-Sahar Ahmed



Digital Poster Design- Garrett Briggs



Art I

Art I just completed the Pop Art Sculptures and WOW! Images on Instagram soon.
Digital Art using Adobe Photoshop and Ceramics are our future adventures.



Ceramics & Sculpture

Students are continuing to explore carving, casting and coil pots.



Coil Heart- Chrystalline Paraydos



Coil Heart- Kamdyn Giesel



Coil Heart- McKendee Lance



Advanced Art I

'Cut Throat Art Studio' examples related to student's Sustained Investigations.



Multimedia- Mariam Salim

How does my culture and religion effect me?



Multimedia- Kaydyn Bartlett

How do chaos and logic work together?



Multimedia- Kate Francis

Why am I so scared of failure?



Art Social Media



February 2022

DECA, BPA & HOSA

43 DECA members competed in DECA Districts on January 19th at the Las Colinas Convention Center, with 18 members State Qualified.

They will compete on February 25th in Houston.



Follow Carroll DECA!



Follow
Carroll
BPA!



95 BPA members competed in Virtual Regional Competition from January 19th-22nd, with 62 members State Qualified. They will compete on March 4-6 in Fort Worth.

Carroll HOSA (Future Health Professionals) had members participate in December and again in January the Area Round of competitions in Killeen. Sixteen of the 33 students advanced to the State level of competition taking place in Galveston April 20-22nd.



Follow Carroll HOSA!



February 2022

Child Development & Principles of Human Services

PHS students are completing the Fashion Unit, and will next begin working with the Civil Engineering & Architecture class on Interior Design Vision Boards in the month of February!

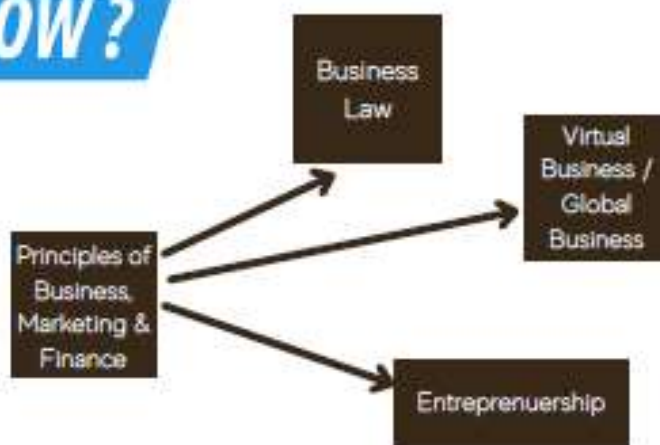
Child Development begins the Toddler Unit this month.

PHS/Child Development Socia Media



DID YOU KNOW?

The Business Pathway has 3 options after the intro course!



National Technical Honor Society

National Technical Honor Society believes in CTE students, the heartbeat of today's workforce! NTHS celebrates the accomplishments of today's career and technical education students, empowering them to know the value and impact of their career paths and trades. Since 1984, NTHS has been honoring outstanding student achievement, providing scholarships and career development opportunities.

Carroll NTHS Applications will open February 7th.
See your CTE Teacher for more information

February 2022



Carroll CTE

We will be spotlighting
all things CTE
everyday in February
to celebrate CTE Month.



Follow Us!!



CELEBRATE **TODAY,**
OWN **TOMORROW!**