



FUSD Newsletter

Superintendent's Message

While the weather this Fall has been unseasonably warm and dry in Northern Arizona, winter weather will eventually arrive soon. Please make plans now for alternative schedules and childcare in the likely event school is delayed or canceled this winter season. Decisions to delay or cancel school are made considering several factors- student and staff safety, weather forecasts, road conditions and closures, impact on instruction and

scheduled activities, and timeliness for mobilizing communications and altering bus routes. Notifications about changes to the school schedule will be communicated to parents via phone, email and text messaging, in addition to information on our district website and social media. In the event school is canceled, make-up days in April and May have been scheduled in advance. Please contact your child's school with questions

about winter weather procedures and schedules. On behalf of the staff of the Flagstaff Unified School District, I wish you a safe and enjoyable winter season!



December

- 12 / 6 - JROTC Blood Drive
- 12 / 16 - CHS Native American Club Craft Show
- 12 / 18 - 1/1 - Winter Break

January

- 1/10 Internet Safety Presentation for Parents
- 1/15 MLK Birthday - no school

MIT-e Students Visit CCC

For the past three years Coconino Community College has hosted Sinagua Middle School's Middle School Institute of Technology and Engineering (MIT-e) students for an "Engineering Challenge Day". This program is made possible with funding from the Science Foundation of Arizona through an engineering pathway grant.

The eighth grade students visited Coconino Community College's Lone Tree campus on Nov. 17 and participated in two activities and a campus tour. The first activity had the students designing Hooper planes out of tape, straws, and paper formed into tubes. The students then altered certain variables in order to see the flight patterns and determine which design would go the farthest. A MIT-e student stated, "This activity was helpful in learning aerodynamics and

crafting and testing variable in order to build something as simple as a Hooper plane."

The next activity the students participated in was 3-D rendering and printing. Jeff Jones, Dean of Learning Services- Career and Technical Education (CTE), ran the 3-D rendering and printing activity. They designed 3-D objects such as a "rabbit-chicken," a castle, and so much more. The students did not use any coding methods, but used a Tinkercad program in order to develop their ideas. The Tinkercad program is an on-line 3-D design and printing application that is used by designers, hobbyists, teachers, and kids.

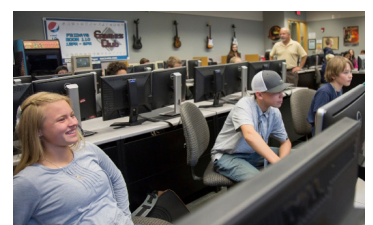
The eighth graders also had the opportunity to tour CCC's campus. This portion of the engineering challenge day is designed for the students to experience the college experience

and learn about opportunities available including dual credit courses.

"Engineering challenge day is beneficial because the students get more real world experience with the coursework and can see college level material," said Gretchen Downey, eighth grade MIT-e teacher. "The tour itself teaches them how to earn credit early in their academic career." Mr. Jones stated, "This is a cooperative project with STEM City, Coconino Community College, and Sinagua Middle School. The teachers and the schools really make it work."

Thank you CCC, STEM City and the SMS MIT-e teachers for providing this opportunity to these FUSD students.

Please remember to look for school specific fliers through the Peachjar button on your school's homepage.





College and Career Readiness



In late October, both Coconino and Flagstaff High Schools welcomed guests for a College and Career Readiness Tour. Over thirty community leaders attended this tour and interacted with the students and teachers for this day-long tour of the programs that make FUSD a leader in college and career readiness. The Career and Technical Education (CTE) tour began at Coconino High School (CHS) where the student lead tour highlighted; Automotive Technology, Precision Machining, and Interior Design. After the CHS tour, the guests were treated to a great lunch prepared by the CHS Culinary Arts classes. Participants then went to Flagstaff High School (FHS) where they were escorted by students to the Welding Lab. The guests visited the Culinary program and heard presentations from the other CTE programs at FHS. The students were excited to talk about the importance of these programs to them.

After leaving FHS, the tour continued at NAU to tour the CAVIAT Bioscience Program, which is offered to FUSD high school students and has been a great success.

The goal of FUSD CTE programs is to prepare students to enter the workforce with the academic and vocational skills needed to compete successfully in the job market. CTE courses typically include competency-based learning.

The program hopes to ensure a dynamic workforce by fully developing every student's career and academic potential.

Many of these courses offer dual enrollment which gives the students the ability to earn college credit while remaining at the high school.

The following are highlights of just a few of the programs at CHS. The Digital Media Program is designed to help students learn practical creative and artistic technical skills, business acumen, teamwork, and other soft skills in THREE key areas - graphic design and print media, web design, and film & video production. All 4 years of the program are project-centered, inquiry- and discovery based learning, using both group and individual work.

The Digital Design and Precision Machining Program asks and answers the following question: Are you interested in learning to operate machines that you control with a computer? Would you like to design a product that has been on your mind and turn it into reality? How about using a laser engraver to decorate it with your own paint job or burn in a custom logo. How about a skate board that you designed yourself. Would you store it on a custom built board rack? Would you enjoy milling shapes using materials such as aluminum, wood, plastics or composites? High tech art? Are you interested in working with the Coconuts Robotics team designing, building and competing against some of the most advanced high schools in the country? This program prepares students to enter the workforce in the fields of manual machining, CNC machining and programming, tool and die design, and manufacturing engineering. If you are a strong STEM student, enjoy creating interesting projects and working with technology then this program may be for you.

Careers in Digital Design and Precision Machining:

- Machinist
- Machinist Apprentice
- CNC Operator
- Mechanical Technician
- Tool & Die Apprentice
- QC Inspector

At FHS there are many CTE opportunities as well. Some of the programs include the following.

The Advanced Culinary Arts program has a state-of-the-art kitchen; our second- year students are developing skills through the management of our student restaurant, Eagles' Nest. Third-year students learn restaurant management skills. In addition to supervising student shift operations and helping to train 2nd year students, they learn marketing and promotional strategies, practice inventory control, create and portion cost unique recipes, order food supplies, and assist with receiving, inspecting, storing, dating/labeling, and rotating food supplies. Seniors who have completed the culinary arts program may receive high school credit while working off campus as externs at local restaurants.

Our competition students compete to earn college scholarship monies for various culinary schools, HRM programs, International Business, etc. My goal is to provide post-secondary scholarships to students that want culinary as a career.

FHS Welding offers a certified, state-of-the-art welding facility complemented by a certified welding instructor. Students train and learn to meet the current certification requirements of the manufacturing and construction industries. FHS welding students will explore many career alternatives related to the welding industry as well as welding and metalwork fabrication techniques.

Sports Medicine I is an elective course intended for students who have an interest in any Sports Medicine profession. It is a good introductory course for those who may pursue an Athletic Training major in college or go into a related health care field.

<i>Flagstaff High School</i>		<i>Coconino High School</i>
Automotive Technologies		Automotive Technologies
Business Mgmt. / Admin. Services (BMAS)		Culinary Arts
Cabinetmaking		Digital Photo/Yearbook
Culinary Arts		Engineering Sciences
Digital Photo		Film & TV
Early Childhood Education		Interior Design
Graphic/Web Design		Precision Machining
Sports Medicine & Rehabilitative Services		Welding Technologies
Welding Technologies		



FHS Cross Country

Congratulations to the FHS Cross Country Program - Flagstaff High School recently competed in the State of Arizona Cross Country Championships. Both the Boys' and Girls' teams won the Division II races with scores of 127 and 49 respectively. This marked the third consecutive year that FHS has accomplished this unprecedented feat. No one has ever won back to back boys' and girls' titles in the same two years but FHS went one better and won both for a third consecutive time. The combined race results were also exciting, the Flagstaff girls are the best in the state of Arizona and the boys earned a very respectable fourth place!

TAPP Winter Garden

The young women from the Teenage Parent Program (TAPP) have been working in their winter garden. Students are surprised and excited that a variety of vegetables are thriving even after Flagstaff has seen some freezing nighttime temperatures. Summit High School was awarded a greenhouse that helps students extend their growing season! This has allowed a new Horticulture Class to be taught in the fall and the spring by Michele Craig and Michelle Cathey.



Sechrist's Artist's Hands

Art is a very important part of learning and at Sechrist Elementary School every student "had a hand" in this amazing art project on display as you enter the school.



DeMiguel "Rocks"

Collaboration among teachers is a great way to unify a school. Earlier this year the librarian at DeMiguel Elementary School read the book "Only One You" to every classroom and then the art teacher had every student paint a rock... the result was a stunning display of all the students working together to create a lasting lesson.



Important Contact Information for Flagstaff Unified School District

Administrative Center Main Number - 527-6000

Curriculum and Instruction Office - 527-6021

Human Resources - 527-6070

Exceptional Student Services - 527-6160

Food Service - 527-6090

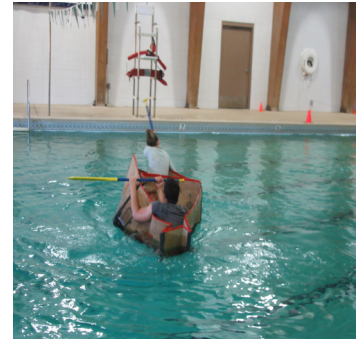
Bilingual Education - 527-6107

Transportation - 527-2300



FUSD In Pictures

CHS Cardboard Boat Races



The annual Coconino High School AP Physics Cardboard Boat Race is a fun educational opportunity that never disappoints the participants and spectators. Each team of two must build a “seaworthy” boat out of cardboard and duct tape. If their boat makes it three laps across the pool then more passengers are added until the boat sinks. The team whose boat holds the most weight before sinking is the champion. The boats and costumes make this physics lesson a lasting memory.





FLAGSTAFF UNIFIED
School District

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We are on the Web at
www.fUSD1.org

Discover YOUR Path with FUSD

Please visit us on Facebook and
Twitter for all of the latest
good news and events



FLAGSTAFF UNIFIED SCHOOL DISTRICT

Statement of Vision, Mission, Core Beliefs, Motto and Goals

Mission Statement:

Creating opportunities for you to discover your path to excellence.

Vision Statement:

The premier educational choice for the greater Flagstaff community.

Values:

We Value:

- Innovation, by leading the way into the uncertain realm of opportunity.
- High Standards with high expectations, supported by shared accountability.
- The diversity of our people, our programs and the accessibility to them.
- Our community and being intentional stewards of the relationships within.
- Inclusivity of all, by ensuring a safe and nurturing environment.

Goals:

- Maintain and Improve Comprehensive Student Opportunities and Services
- Recruit and Retain Highly Qualified, Motivated, and Excelling Staff
- Improve Student Preparedness and Mastery
- Research and Create Desirable and Relevant Educational Opportunities and Services
- Increase Public Engagement and Support for FUSD
- Develop Diversified Partnerships and Revenue Opportunities



FUSD Governing Board Meet Dr. Carole Gilmore

My interest in serving on Flagstaff's School Board is to remain open to ideas for improvement and enrichment opportunities, from parents, teachers, students, administrators, and all members of the community. With the financial constraints that are continuously being placed on education, it is imperative that every dollar of educational funds be spent wisely. Our students need to be prepared for the college and career choices they wish to pursue. Knowing what the future will be, even 10 years from now, will be increasingly challenging. This is why we need to encourage, listen to, and carefully consider ideas and solutions suggested from throughout the school system itself, and the greater Flagstaff community, in order to deal effectively with both the challenges and opportunities ahead.

It is my people skills that I feel best serve student achievement. I do my homework, I come prepared, and I strive to embrace objectivity over subjectivity. I believe accountability and service above self are what make teaching amongst the most noble professions. I want to use the knowledge I have accumulated throughout my career to assure that quality learning experiences are available for each learner each day.



I urge everyone to participate in the Arizona School Tax Credit. I hope you will join me in supporting our Flagstaff public schools, as it is the most effective way we can all support educational enrichment. I, and our students, will thank you!

Save The Date

March 5, 2018 - The 5th Annual
Flagstaff Community STEM
Celebration.

Flagstaff Community STEM Celebration

Monday March 5, 2018
5:30 - 7:30 pm
NAU Walkup Skydome



FREE Event & Parking

Concession Stand