



# EASTVALE STEM ACADEMY

Eleanor Roosevelt High School  
Corona-Norco Unified School District

*Welcome!*

**TO ESTEM  
CLASS OF 2023!**

# EASTVALE STEM ACADEMY

CORONA-NORCO UNIFIED SCHOOL DISTRICT

- 100,000 square feet
- 32 rooms
- Administration
- Student Union/  
Cafeteria
- College & Career  
Center
- Specialized Medical  
Lab
- Specialized  
Engineering Lab
- Science Labs
- Classrooms
- Research/PD Room



2 pathways

1000 students

Health/Medical Science + Engineering

# ENROLLMENT EXPECTATIONS

- Complete:

- 4 years of mathematics
- 4 years of science
- Level 3 of a world language
- The 4-year STEM Pathway
- Science research project

# ENROLLMENT EXPECTATIONS

- Take Summer School
- Maintain positive academic standing throughout their 4 years in the program (no F's)
  - Students will be placed on academic probation otherwise
- Several programs conflict with eSTEM
  - Including: AVID, PUENTE, UNITY, ASB, and Link Crew

# ENROLLMENT EXPECTATIONS

- Complete an annual **Project Based Learning (PBL) science research project**
- Perform **community service** and/or be involved in a community outreach or community impact project
  - Keep a log of all
- Be involved in the STEM Academy's **Bring Your Own Device (BYOD) Program**
- Be prepared for **rigor, challenges, failure, and growth**

# PROJECT BASED LEARNING (PBL)


- PBL science research project elements:

- Challenging Problem or Question
- Sustained Inquiry
- Authenticity
- Student Voice & Choice
- Reflection
- Critique & Revision
- Public Product

- The 4 C's

- Critical Thinking
- Collaboration
- Communication
- Creativity & Innovation

# SCIENCE RESEARCH PROJECT

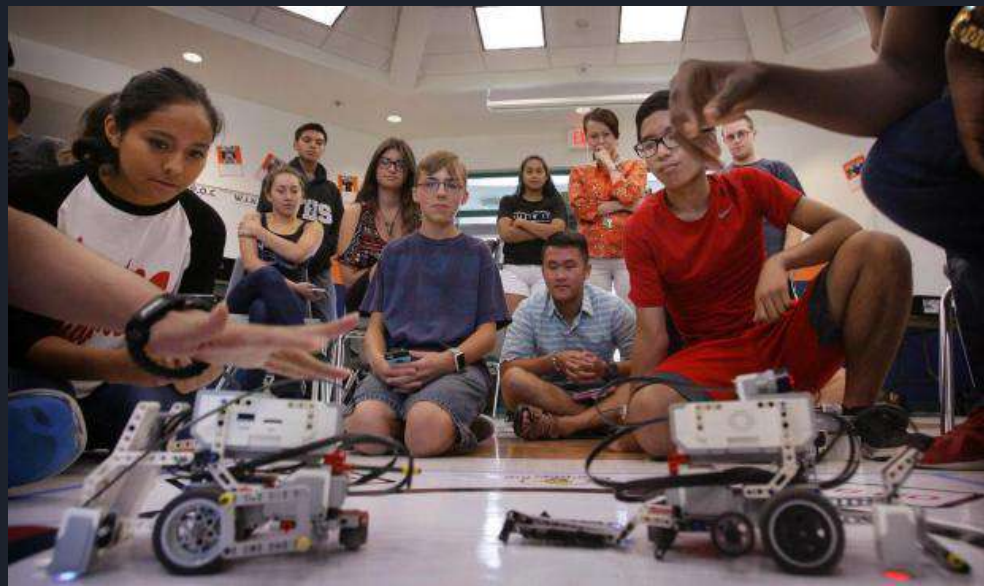


Three Parts:  
1) Research  
2) Experiment  
3) Presentation



# OUR PROGRAM

- 4 years of Math
- 4 years of Science
- UC/CSU A-G completion
- CTE Pathways/STEM electives
- Dedicated STEM director, counselor, and teachers
- 2017-18 SSP Grant Recipient
- District Science Research Project
- Project-Based Learning
- Dual Enrollment with Norco College
- Internship
- Partnership



## eSTEM Medical Science & Engineering 4-Year Plan

# STEM 4-YEAR PLAN

- All 9<sup>th</sup> graders take the same STEM elective
- Choose pathway by February/March of 9<sup>th</sup> grade year
- Summer 2019: Marching Band, Language Arts Institute, Math Summer Bridge

	9th	10th	11th	12th
1 Language Arts	LA 1/ 1 Hnrs	LA 2/ 2 Hnrs	LA3/AP Lang	ERWC/ AP Lit/ NCC Dual Enrollment
2 Math	Int Math 1/ 1 Enhanced	Int Math 2/ 2 Enhanced	Integrated Math 3/ 3 Enhanced	PreCalc/ PreCalc Honors/ Stats/ AP Stats/ Financial Algebra
3 World Language	Spanish/ Chinese	Spanish/ Chinese	Spanish/ Chinese	Internship
4 Social Science	PE/Sports	World Hist/ AP Euro History	US Hist/ AP US Hist	Govt & Econ/ AP Govt & Econ Hnrs
5 Science	Med Bio/ Bio Hnrs	Chemistry/ Chem Hnrs	AP Physics 1/ Physics	Various options
6 STEM Elective	Intro Comp Sci & Intro to Engineering	Medical Anatomy and Physiology	Med Pathology/ AP Chem/ AP Bio/ Sports and Emerg Med	Infectious Diseases/ AP Bio/ AP Chem/ Med Front Office
OR				
6 STEM Elective	Intro Comp Sci & Intro to Engineering	CAD 2/ Robotics/ AP Principles of Comp Sci	CAD 2/Robotics/ AP Comp Sci/ Manufacturing 1	CAD 2/Robotics/ Manufacturing 2
7		PE (if did NOT pass FitnessGram)		
Summer	Health (hybrid course)	PE (if did pass FitnessGram)	Fine Arts	

# STEM SCHEDULE EXAMPLE

## Schedule

0	Language Arts 1 Honors
1	Medical Biology
2	Exploring CS/Intro Engineering
3	Spanish 1
4	Integrated Math 1
5	PE

## Odd Days

0	Language Arts 1 Honors
1	Medical Biology
3	Spanish 1
5	PE

## Even Days

0	Language Arts 1 Honors
2	Exploring CS/Intro Engineering
4	Integrated Math 1
5	PE

Students must be in PE/a sport the ENTIRE year

Students should take the standard 6 classes only

# SPORTS

- Sports:

- All 9<sup>th</sup> grade students are enrolled in PE until tryouts
  - This may be after school starts
- All 9<sup>th</sup> grade students must be in PE or a sport all year
- Most sports are during 6<sup>th</sup> period
- Tennis, lacrosse, wrestling, JV/varsity cheer, and girls volleyball do not have periods; these sports meet after school
  - These sports qualify as a PE Credit Exemption for one semester only
  - Students can take a PE period and this sport or replace it with another course

1	Language Arts 1 Honors
2	Medical Biology
3	Exploring CS/Intro Engineering
4	Integrated Math 1
5	Spanish 1
6	Waterpolo

# BAND

- **Band:**

- Band placement is determined by the band directors
- Band will be an additional class (7 classes total)
- Students in Band should take Marching Band PE first semester and regular PE second semester
  - Students *must* attend marching band practices over the summer

## First Semester

0	Language Arts 1 Honors
1	Medical Biology
2	Exploring CS/Intro Engineering
3	Concert Band 1
4	Spanish 1
5	Integrated Math 1
7	Marching Band PE

## Second Semester

0	Language Arts 1
1	Biology Honors
2	Intro Engineering/ Exploring CS
3	Concert Band 1
4	Chinese 1
5	Integrated Math 2
6	PE

# COUNSELING

- Students will schedule 9<sup>th</sup> grade classes with Mrs. Cabal at ARIS/RHIS in March
- Meet with Mrs. Cabal to go over the STEM 4 year plan
  - April 8th to May 31st voluntary appointments
  - Make your appointment on [www.calendly.com](http://www.calendly.com)
    - You will be sent an email invitation to a direct link
    - This will be open to schedule in early March
  - 45 minutes per group appointment and 20 minutes per individual appointment
  - For students not currently at ARIS/RHIS, email current schedule to Mrs. Cabal to generate schedule for 9<sup>th</sup> grade
  - Please come prepared with questions you may have
  - All information that I will provide will be on the STEM website

# (TENTATIVE) TIMELINE

- **March 21st and 28th:** Articulation (course selection) at ARIS and RHIS
- **Late April:** Online re-enrollment on Parent Connect
- **April - May:** 4-year plan appointments with Mrs. Cabal
- **Late May:** Science Research Project Information Night
- **May:** Athletics Information Night
- **June:** Attend ELA Summer Institute (for honors 9th) and/or Math Bridge (for those in Math 8 and qualify to take the program)
- **Early August:** Freshman Registration
- **Early August:** Link Crew Orientation

# CONTACT

- [Roosevelt.cnusd.k12.ca.us/estem](https://Roosevelt.cnusd.k12.ca.us/estem)
  - Visit to review 4 year plan, bell schedule, course selections, this PPT, etc.
- [ERHSSTEMacademy@cnusd.k12.ca.us](mailto:ERHSSTEMacademy@cnusd.k12.ca.us)
  - General questions
- [ccabal@cnusd.k12.ca.us](mailto:ccabal@cnusd.k12.ca.us)
  - Specific questions for Mrs. Cabal, STEM Counselor