Riverview STEM Academy - Home of the Rockets!
Welcome to Riverview STEM Academy!

★ Please sign-in and find a seat!
★ Please do not visit the assessment sign-up tables until after the presentation is over.
★ Please hold your questions until the presentation is over.
★ Thank you for coming!!
Riverview STEM Academy is a comprehensive K-5th grade school with a year-long Science, Technology, Engineering, and Math program designed for students to become problem solvers and critical thinkers. Using the engineering design process and the scientific method with a dynamic science curriculum, students will employ STEM knowledge, skills, and habits of mind, learning that it is OK to take risks and make mistakes.
65 percent of scientists and graduate students in a 2010 study stated that their interest in science began before middle school.
PLTW - Modules 1 and 2

➢ Structure and Function - Kindergarten
➢ Structure and Function: Pushes and Pulls - Kindergarten
➢ Light and Sound - 1st Grade
➢ Light: Observing Earth, Sun, Moon, and Stars - 1st Grade
➢ Materials Science: Properties of Matter - 2nd Grade
➢ Materials Science: Form and Function - 2nd Grade
➢ Stability and Motion: Science of Flight - 3rd Grade
➢ Stability and Motion: Forces and Interactions - 3rd Grade
➢ Energy: Collisions - 4th Grade
➢ Energy: Conversion - 4th Grade
➢ Robotics and Automation - 5th Grade
➢ Robotics and Automation: Challenge - 5th Grade

PLTW - Modules 3 and 4

➢ Biomedical - K-5th Grade
➢ Computer Science - K-5th Grade
STEM - Science & Engineering Practices are designed to strengthen and develop students’ understanding and problem-solving skills.

1. Asking questions and defining problems
2. Developing and using models
3. Planning and carrying out investigations
4. Analyzing and interpreting data
5. Using mathematics and computational thinking
6. Constructing explanations and designing solutions
7. Engaging in argument from evidence
8. Obtaining, evaluating, and communicating information.
STEM Curriculum

K-5!
K-5 STEM Curriculum!

- Engineering is Elementary
- AIMS - Integrated Math and Science activities
- Virtual Field Trips/Conferences
- Aerojet - Aeronautics curriculum
- Coding - Scratch, Code.org
- Bee Bots Robotics - K-2nd Grade
- Vex IQ Robotics - 3rd-5th
- Amplify Science
- STEM Careers
K-5 Curriculum Strands

- Robotics
- Aerospace
- Computer Science
- Coding
- 3D Printing
- GATE Enrichment

Riverview STEM curriculum aligns to Common Core State Standards and Next Generation Science Standards.
Tech Lab
Riverview Enrichment Programs

- After School Academic - Interventions
- Clubs - Chess Club, Lego
- Robotics Club, Homework
- Clubs; Reading Club, Computer Club, Spanish, Drama, Honor Society, Snap the Gap, Choir, Yoga, Art, Mural, Golf, etc
- Extended Day for 1st and 2nd grade - BASE
- Student Care Onsite
GATE/Honors Program K-5th Grade

- Gifted and Honors Education for K-5th Grade
- Students clustered with certified GATE teachers
- Challenge Program, Enrichment Packets
- Differentiated instruction provided in class
- Accelerated Math, Jr. Great Books, Jacob’s Ladder, Kaplan’s Icons
- 45-60 minutes each day GATE/Honors time provided during Learning Center time
- iReady - ELA and Math assessments and instructional support.
School Schedule

★ Kinder: am-7:52-11:13 or pm-11:17-2:38
★ 1st-2nd: 8:25-1:52 & 9:10-2:37
★ Grades 3-5th: 8:25-2:37
BASE Program - 1st & 2nd
Early/Late BASE Program

★ 8:25-1:52 Early Session = Extended Day 1:52-2:37
★ 9:10-2:37 Late Session = Extended Day 8:25-9:10
Riverview Application

- Application
- Report Card with attendance and behavior data
- Pre-K - Progress report or letter of recommendation
Science literacy is the artery through which the solutions of tomorrow's problems flow. Neil deGrasse Tyson
Thanks!

Any questions?

You can find me at lpowell@fcusd.org