

The background is a deep purple and blue space scene. In the top left is a large planet with horizontal stripes. Below it is a smaller planet with a ring. In the bottom left, an astronaut in a white suit floats, holding a coiled rope. In the bottom right is a large, cratered moon. The background is filled with numerous small white stars and larger, four-pointed starburst shapes. The text is centered in a white, stylized, hand-drawn font.

RIVERVIEW STEM ACADEMY - HOME OF THE ROCKETS!

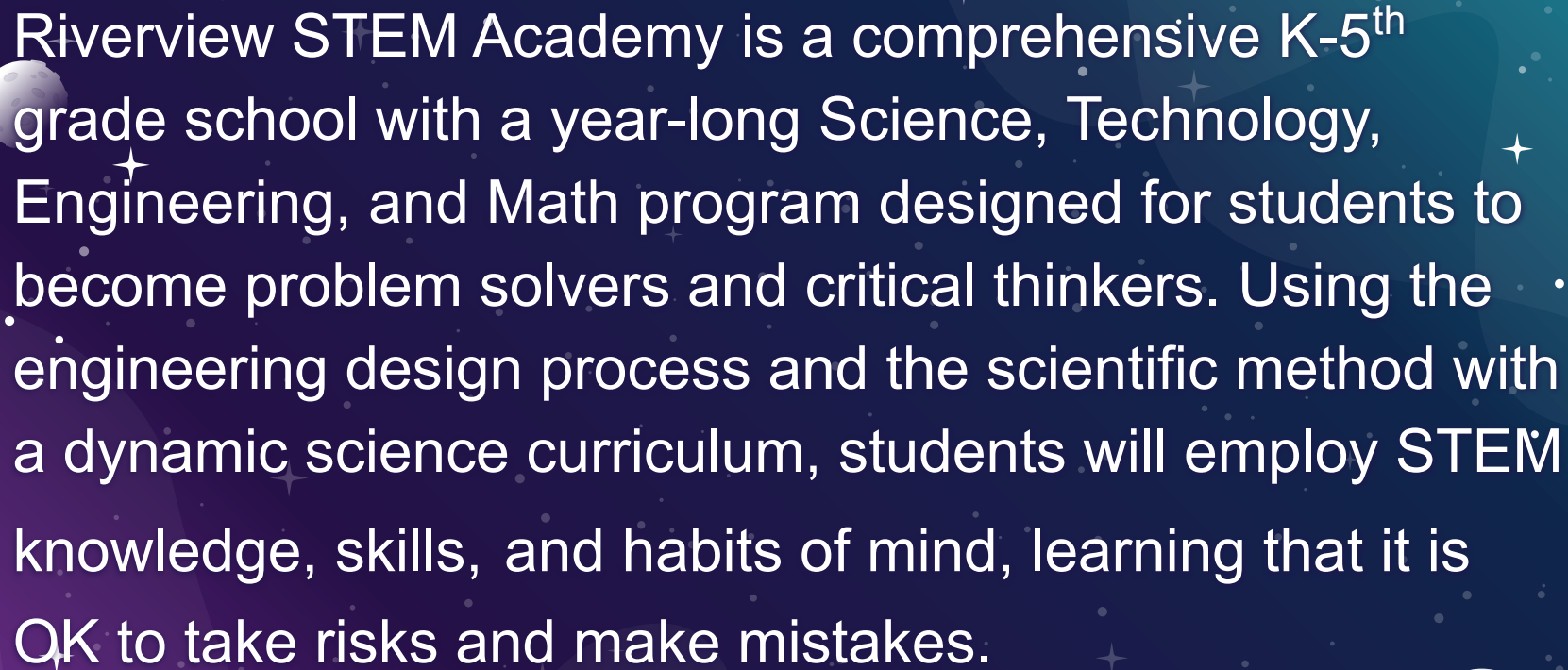
WELCOME TO RIVERVIEW STEM ACADEMY!

★ Thank you for coming!!



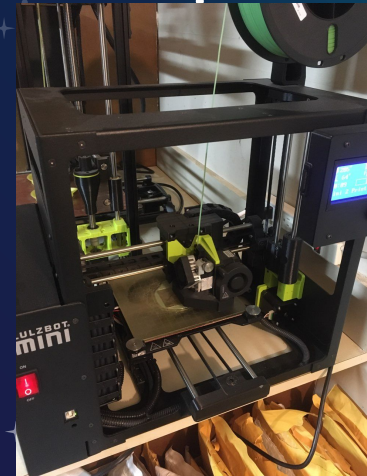
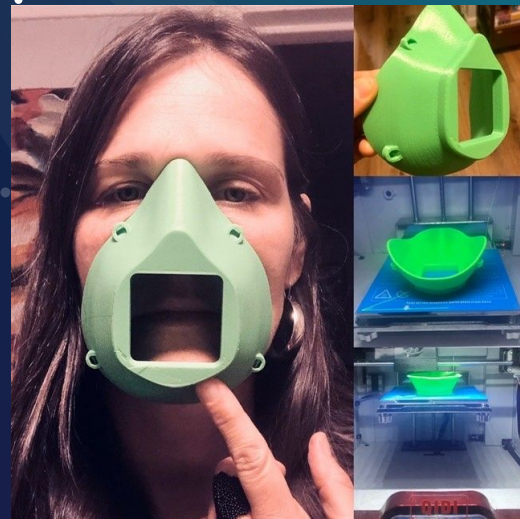
INTRODUCTION

- ★ Lari Powell - Principal
- ★ K-12 Teacher for 23 years
- ★ Lead STEM Teacher for District - 4 years
- ★ University Professor: Teacher Education - 10 years
- ★ NGSS Roll-Out Presenter
- ★ NGSS framework committee review team
- ★ Sac. County Math & Science Equity Team



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.





PROJECT LEAD THE WAY

65

percent of
scientists and
graduate students
in a 2010 study
stated that *their
interest in science
began before middle
school*

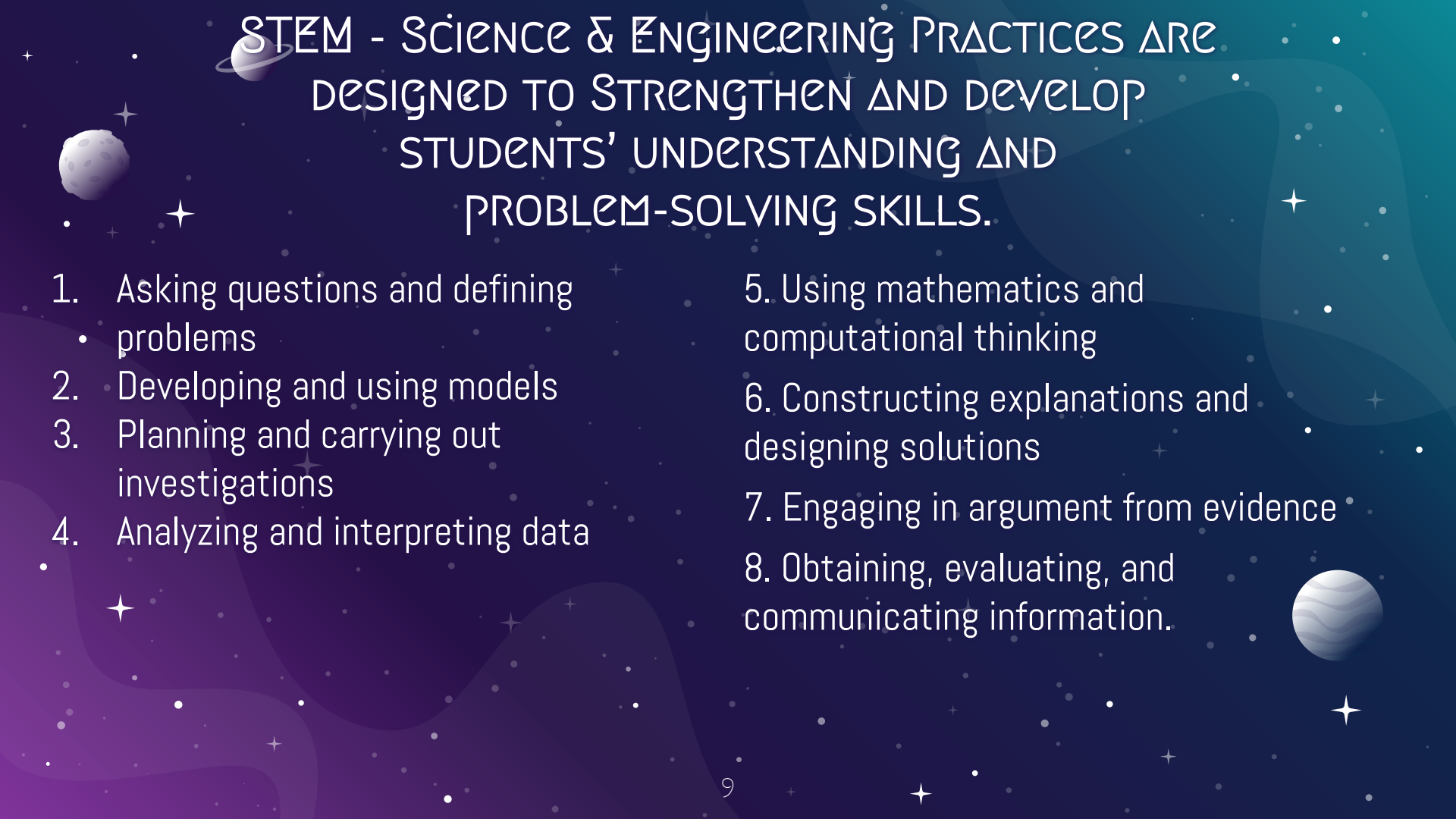


PLTW - Modules 1 and 2

- 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



RIVERVIEW APPLICATION

- ★ Application

- ★ Report Card with attendance and behavior data
- ★ Pre-K - Progress report or letter of recommendation



RIVERVIEW STEM ACADEMY

- ★ School WebSite: [Riverview STEM Academy Website](#)
- ★ 10700 Ambassador Dr, Rancho Cordova
- ★ Online Application
- ★ Principal email: lpowell@fcusd.org
- ★ Office Phone: 916-294-2435



★ *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

