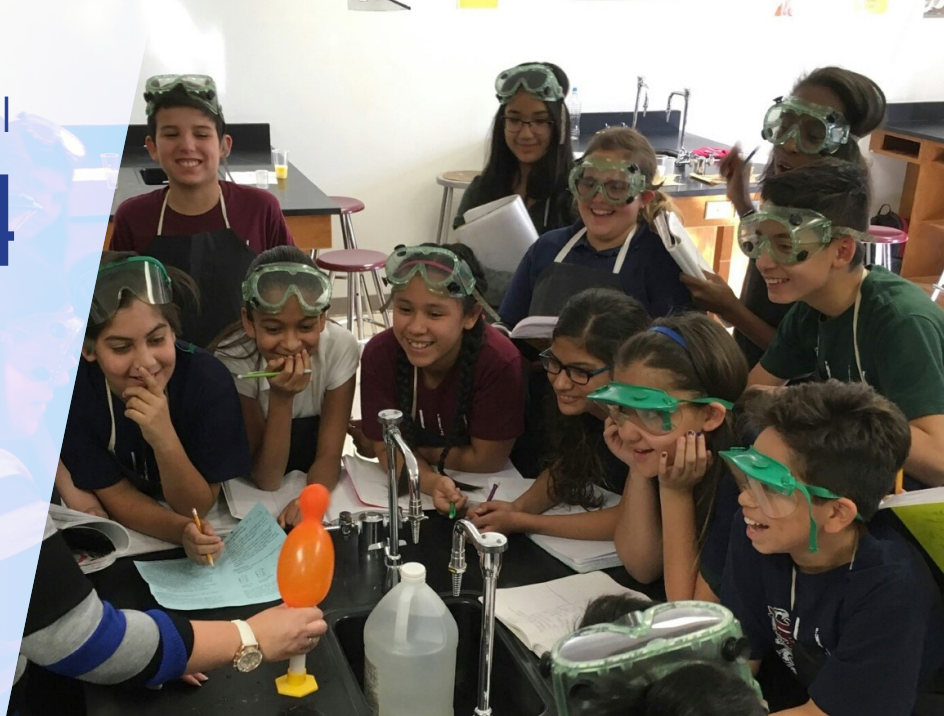


Montwood Middle School

SYNERGI⁴



Synergi⁴ is designed to provide opportunities for Inquiry, Investigation, Innovation, and Inventions that will develop the minds of our students as they interact and transform in the 21st century.



Course Sequence

6th Grade

- Pre AP Math
- Science
- English Language Arts Reading (ELAR)
- Social Studies
- PE
- Elective
- PLTW Elective:
Gateway to Technology IV
Medical Detectives (1st Semester)
Green Architecture (2nd Semester)

7th Grade

- Pre-AP Math
- Pre-AP Science
- ELAR
- Social Studies
- PE/Health
- PLTW Elective:
Gateway to Technology I
Design Modeling (1st Semester)
Robotics (2nd Semester)
- Elective
Spanish 1 (High School Credit) is offered,
but optional

8th Grade

- Pre-AP Algebra
- Pre-AP Science
- ELAR
- Social Studies
- PE/Exploring Careers
- PLTW Elective:
Gateway to Technology II
Science of Technology (1st Semester)
Magic of Electrons (2nd Semester)
- Elective
Spanish II (High School Credit) is offered,
but optional

Summer Bridge Camp-students will participate in a one week summer session.

Medical Detectives

Students play the role of real-life medical detectives as they analyze genetic testing results to diagnose disease and study DNA evidence found at a "crime scene." They solve medical mysteries through hands-on projects and labs, investigate how to measure and interpret vital signs, and learn how the systems of the human body work together to maintain health.

Green Architecture

Today's students have grown up in an age of "green" choices. In this unit, students learn how to apply this concept to the fields of architecture and construction by exploring dimensioning, measuring, and architectural sustainability as they design affordable housing units using Autodesk's® 3D architectural design software.

Curriculum:

- Architecture and Construction
- Conducting research to problem solve
- Hands-on activities and lessons
- Lab Experiments
- Learn about Forensic Science and its use in solving crimes
- Learn about the types of equipment used to obtain evidence
- Learn how to locate and collect forensic evidence
- Meet Forensic Scientist and Chemist
- Presentations from El Paso Police Department Crime Scene Unit
- Project Based Learning
- Space exploration projects
- Technology and Engineering
- Tour Texas DPS Crime Laboratory

Extra Curricular Activities include:

- Destination Imagination Team
- Green Team
- Hour of Code Club
- Robotics Teams (Vex Robotics kits used to build robots)
- Student Advisory Committee

Other Activities Include: Field trips, community service projects, creation of Android apps, finger printing and so much more



#TeamSISD

Socorro Independent School District
Leading • Inspiring • Innovating

The right choice for

ENDLESS OPPORTUNITIES.