



Filemón B. Vela Middle School

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8th Grade Science Syllabus

Teacher: **Mario I. Rojas**

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Class Website: superscience8th.weebly.com

Introduction:

Welcome to the 2020-2021 school year. It is our goal to encourage all students to be inquisitive and knowledgeable about how the world around us works. We have new interactive books, learning strategies, group activities, Labs, demonstrations, and other projects that will hopefully stimulate and ignite your passion for scientific investigation, problem solving, and knowledge.

Subject Overview from the Texas Education Agency:

Grade 8 science is interdisciplinary in nature; however, much of the content focus is on earth and space science. National standards in science are organized as multi-grade blocks such as Grades 5-8 rather than individual grade levels. In order to follow the grade level format used in Texas, the various national standards are found among Grades 6th, 7th, and 8th. Recurring themes are pervasive in sciences, mathematics, and technology. These ideas transcend disciplinary boundaries and include change and constancy, patterns, cycles, systems, models, and scales.

Differentiation for Honors/STEM/GT Students:

- Utilize creative problem-solving processes to design and execute laboratories.
- Develop research proficiency by articulating data collecting skills, enhancing organizational ability, utilizing problem solving expertise in experimental labs and providing graphical interpretations and statistical analysis.
- Elaborate on topics covered in class. Topics that arise from lecture or class discussion may be the basis for further investigation.
- Seminar teaching: Students will be asked to discuss material/peer teaching.
- STEM: Students will participate in Problem Based Learning.

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Supplies:

- *Notebook.
- *Markers
- *Pen/Pencils
- *Scissors
- *Tape/Glue Stick.
- *Sharpener.
- *Highlighters

Grading Policy:

Make-up work, re-tests, homework, late work, and issues with scholastic dishonesty will be dealt with in accordance with the 2020-2021 Vela Student Handbook/Code of Conduct.

Science Class Rules:

1. Follow all Lab Safety Rules. Students must review lab safety procedures, sign a safety contract, and pass a lab safety exam before they are allowed to participate on any hands-on science investigations.
2. Be on time to
3. Be prepared with materials for instruction.
4. Be respectful to everyone.
5. Use proper language.
6. Have fun learning.

Remote Learning Etiquette & Expectations:

Remote Learning
Learning Etiquette & Expectations

Below are some important reminders as you participate in class for remote learning.

- Be Respectful**
 - Stay focused on the lesson/topic.
 - Mute your microphone until you are called on to speak.
 - Listen to your teacher & classmates when they are speaking.
 - Speak clearly & use appropriate language.
 - Use the chat box appropriately.
- Be Responsible**
 - Be on time for class meetings.
 - Charge your device or have it plugged in.
 - Find a quiet place to work w/o distractions.
 - Follow directions & complete assignments to the best of your ability.
 - Actively participate in lessons & discussions.
 - Ask questions if you need help.
- Be Safe**
 - Wash your hands before using your device.
 - Limit food & drink around your device.
 - Use your device for school purposes only.
 - Do not share passwords or personal information online.
 - Take short breaks to stand up, stretch, and get water.

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Join the Remind App for Notifications

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