

8th GRADE Science SYLLABUS
Mrs. Jessica Freeman
Del Rio Elementary School - DRES

Contact Information:

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Phone: 423-487-5570

Room: 114

School Hours: M - F 8:00 am – 3:45 pm

Tutoring Hours: TBD

Teacher Pages: [STUDENT HANDBOOK](#), [School Board Policy-Students](#), [Daily Agenda](#) & [After School STEM LAB](#)

Course Description: [Grade 8 SCIENCE curriculum follows TN Science Standards](#)

Topic Outline/Schedule

Unit	Standards	Lesson	Topics Discussed
Force and Motion 1-Describing Motion 2-Laws of Motion 3-Electricity	PS2.3 PS2.4 PS2.5	1.1 1.2 1.3 2.1 2.2 2.3 2.4 3.1 3.2 3.3	Position & Motion Speed & Velocity Acceleration Gravity & Friction Newton's 1st Law Newton's 2nd Law Newton's 3rd Law Electric Charge & Electric Force Electric Current & Simple Circuits Describing Circuits
Magnetism 4-Magnetism Magnetism/Electricity Review Lesson Link-1	PS2.1 PS2.2 ETS1.1	4.1 4.2 4.3	Magnets/Magnetic Fields Making Magnets with an Electric Current Making Electric Current w/Magnets
1 st Cumulative Benchmark	Covering all content to this point		
Waves 5-Waves 6-Sound 7-Electromagnetic Waves 8-Light	PS4.1 PS4.2 PS4.3	5.1 5.2 5.3 6.1 6.2 6.3 7.1 7.2 7.3 8.1 8.2 8.3 8.4	What are Waves? Wave Properties Wave interactions Producing & Detecting Sound Properties of Sound Waves Using Sound Waves Electromagnetic Radiation Electromagnetic Spectrum Using Electromagnetic Waves Light, Matter, Color Reflection and Mirrors Refraction & Lenses Optical Technology
Universe 9-The Sun, Earth, & Moom System 10-The Solar System 11-Stars & Galaxies	ESS1.1 ESS1.2 ETS1.2	9.1 9.2 9.3 10.1 10.2 10.3 10.4 11.1 11.2 11.3 11.4	Earth's Motion Earth's Moon Eclipses and Tides The Structures of the Solar System The Inner Planets The Outer Planets Dwarf Planets and Other Objects The View from Earth The Sun and Other Stars The Evolution of Stars Galaxies and the Universe
2 nd Cumulative Benchmark	Covering all content to this point		

Rocks and Plate Tectonics 12-Rocks 13-Plate Tectonics 14-Earthquakes & Volcanoes	ESS2.1 ESS2.2 ESS2.3 ESS2.4 ESS2.5	12.1 12.2 12.3 12.4 13.1 13.2 13.3 14.1 14.2	Rocks and the Rock Cycle Igneous Rocks Sedimentary Rocks Metamorphic Rocks The Continental Drift Hypothesis Development of a Theory The Theory of Plate Tectonics Earthquakes Volcanoes
Natural Resources and Hazards 16-Environment & Changes Over Time	ESS3.1 ESS3.2	15.1 15.2 15.3 15.4	Geologic History and the Evolution of Life The Paleozoic Era The Mesozoic Era The Cenozoic Era
Earth's History 15-Geologic Time	LS4.1 LS4.2 LS4.3 LS4.4	16.1 16.2 16.3	Fossil Evidence of Evolution Theory of Evolution by Natural Selection Biological Evidence of Evolution
Artificial Selection	LS4.5		
Final Comprehensive Benchmark	Covering all content		

Materials: Students are expected to bring appropriate materials to each class. Please refer to the Supplies/Wish List
 No pens! Please use pencils only. Feel free to highlight when needed.

Classroom Rules: Be Respectful, Be Responsible, Be Safe, Be Ready!!!!

The **MAIN Classroom Rule** is posted on the bulletin board. The RULE is based on a foundation of Respect. Every inappropriate behavior can fall under disrespect. The progression of consequences if the rule is not followed:

1. Verbal warning
2. Lunch Detention
3. Loss of reward
4. Complete goal sheet (parent asked to sign and return)
5. Parent/Teacher Conference
6. Office Referral

**In some cases some or all of these steps may be skipped depending on the level of the offense.

Homework: Homework is an important part of learning, mastering, and reinforcing math & science concepts. Occasionally we will have homework. Rules and consequences will be strictly enforced.

Missed Work: Daily assignments will be posted to the classroom agenda on the school website. I will record lessons when a student is absent and post those for their convenience to the day's assignment in google classroom. It will be the student's responsibility to complete that work and ask questions if needed.

[Attendance Policy](#)

Grading: We follow the District Grading Policy. The grading scale is as follows:

- 100% - 90% - A
- 89% - 80% - B
- 79% - 70% - C
- 69% - 60% - D
- 59% or below - F

Important Policies: *Read over and be aware.*

- [Student Code of Conduct](#)
- [Student Rights/Responsibilities](#)
- [Interference/Disruption of School](#)
- [Zero Tolerance](#)
- [Dress Code](#)

Redo and Retake

Students are always able to redo incorrect items for partial credit. Students should take good notes. Sometimes, I let them use their notes on quizzes and tests.

**This does NOT apply to Interim/Diagnostic Tests*

Technology: iPads/Chromebooks will be issued as needed to the students and used in the classroom for educational purposes. Students are responsible for the device they have checked out and held accountable for sites visited, cleanliness, and care of the device.
REFER TO THE ACCEPTABLE USE POLICY!!!

Personal electronic devices/phones are prohibited in the classroom unless specified by the teacher!!

See Electronic Device Policy
Keep in backpack at all times turned OFF

- 1st time collected for a week.
- 2nd time collected for a month.
- 3rd time collected for the remainder of the school year.

NO EXCEPTIONS DON'T ASK...NONE

Consider this your WARNING!!!

*****STUDENTS WILL SIGN A CELL PHONE POLICY AGREEMENT*****

Plagiarism/Academic Integrity: Academic integrity is expected on all assignments. Plagiarism is defined as presenting the work of another as one's own.

Cheating on an assignment or assessment is another activity that violates ethics and school rules.

Any work that exhibits cheating/plagiarism will result in a zero, parental notification, and disciplinary action may be taken.