

Fifth Grade Science – Syllabus

Teacher: Amanda Neel

School Phone: 817-299-2700 ext. 2775

Conference Time: 8:40 – 9:40 a.m.

Email: amandaneel@misdmail.org

Text:

Science books are electronic and can be accessed here:

Link: <https://n11052d40706.acceleratelearning.com/login>

Username: MISD student id#

Password: first and last initial followed by date of birth (mmddyy)

Description:

Fifth grade students will cover Nature of Science, Physical Science, Life Science, and Earth Science concepts. Refer to www.mansfieldisd.org/curriculum/science/home.htm for curriculum.

Goals:

By the end of the fifth grade, students will be able to:

- Plan and implement investigations using scientific methods
- Collect information by observing and measuring with tools.
- Analyze data by constructing tables and graphs to evaluate information.
- Produce models to represent the natural world, show how systems work, and identify structures.
- Identify significance of cycles, structures, and process that interact: including seasonal, lunar, water, and life cycles.
- Explore traits inherited from parent to offspring and learned behaviors that result from the influence of the environment.
- Determine the role of the Sun's energy in cycles including plants, animals, water, weathering, and erosion.
- Identify and describe changes that occur over time, including weathering on landforms, erosion, sedimentary rock sequences, Earth's natural resources, and the formation of fossil fuels.
- Predict adaptive characteristics needed for survival in an ecosystem.
- Compare physical characteristics of the Earth and moon.
- Classify matter based on physical properties and identify changes that occur in mixtures and when heat is added or removed.
- Differentiate among forms of energy, including light, heat, electrical, and sound.
- Determine substances ability to conduct or insulate heat, electricity, and magnetism.
- Build and expand vocabulary, through a print rich environment, to increase fluency and understanding by incorporating scientific vocabulary into their everyday speaking, listening, and writing routines.
- Evaluate their own work and the work of others.

Requirements:

All students will be required to maintain a planner (provided at no cost) for recording assignments and homework. The planner is required throughout the year for assignments and communication in all classes. If the first planner is lost, another one can be purchased for \$3 from the office.

Students will be required to have 1 composition book, 1 folder with brads to be left in class for science journaling, warm-ups and lab reports. Other materials, writing utensils, paper, etc. should be left with your student.

Both home and class projects may be assigned throughout the year. Details will be provided as they are assigned. Other homework assignments may also be given to help a student make connections between classroom learning and the real world.

Textbooks:

Textbooks will not be distributed to Science students; however, students have access to the online resource Stemscores by logging in to the website above.

Resources:

To check on student grades, go to <http://www.mansfieldisd.org/>. Click on "Skyward" and follow the directions. Student grades and assignments are updated each week. Parents may set up an Infinite Campus student account to check grades from home. Additional resources also include Quizlet and Education Galaxy.

Course Calendar/Schedule:

| | |
|------------|---|
| Semester 1 | Lab Safety/Matter and Energy Force and Motion Earth Cycles |
| Semester 2 | Earth Resources Organisms and Environment Science Boot Camp |

1st Marking Period - Aug. 15 - Sept. 27

2nd Marking Period - Oct. 1 – Nov. 2

3rd Marking Period - Nov. 5 – Dec. 20

4th Marking Period - Jan. 8 – Feb. 14

5th Marking Period - Feb. 19 – Apr. 12

6th Marking Period - Apr. 15 – May 23

Late Work Policy:

Attendance – Regular school attendance is essential for students to gain the maximum benefit from teacher-led and school activities. An unexcused tardy will result in action being taken in accordance with school policies. See school discipline policy regarding citations and other violations.

1 class day late – maximum grade of 85%

2 class days late – maximum grade of 70%

3 class days late – teacher discretion

Class Participation:

Student lab work will be monitored and assessed for participation.

Missed Exams/Assignments:

Students can makeup tests after excused absences. Students will have the same number of days they are absent to make up work. Students should consult with the teacher after an absence to identify work that needs to be completed. It is the student's responsibility to get the assignments from the teacher. Please refer to your teacher and team's classroom procedures regarding missing assignments.

Lab Safety:

The science lab is a great opportunity to discover and learn! However, it can be a place of danger if common-sense precautions aren't taken.

Students are expected to learn and follow general safety guidelines to keep the lab a safe place. Goggles will be worn when directed by the teacher.

Closed toe shoes (not sandals) must be worn in the lab to prevent injury. Horseplay is not allowed. Additional precautions will be announced prior to certain experiments. Students who choose not to follow all safety rules will be removed from the activity. MISD lab safety agreements must be signed and a lab safety quiz must be passed with 100%.

Test Retakes:

Students who fail a major test/assessment (below 70%) will be allowed to retake or correct up to a 70% grade. Students will have to make arrangements with the teacher to retake or correct a major test/assessment. All retakes or corrections must be completed prior to the end of each six weeks grading period. Students are encouraged to attend tutorials.

Academic Dishonesty:

A student found cheating or aiding in cheating will receive a grade of zero on the assignment and the teacher will contact the parent. Cheating will include being in possession of another student's assignment without the teacher's permission.

Grading Policy:

Academic progress is used based on a grade percentage of 0-100. Citizenship grades are measured on a Likert Scale (ESNU)

Assignment Weight:

50% Daily Assignments/Quizzes

40% Major Tests/Projects

10% Homework

Grade Percentage Scale:

90 - 100 = A

80 – 89 = B

70 – 79 = C

Below 70 = Failing

Citizenship Grade:

I = Incomplete ('I' is not an academic grade but indicates incomplete work)

E = Excellent

S = Satisfactory

N = Needs Improvement

U = Unsatisfactory

Available Support Services:

The teacher is available by appointment for student support/tutoring. Library resources enhance classroom studies and are available for check out and use. Tutoring, Stemscopes and Education Galaxy are also available.

Additional Information:

To keep abreast of campus and team updates it is recommended families sign up for Remind. Students will utilize Google Classroom for notification reminders of assignments.