



Syllabus For

DMS 6th Grade Science

Teacher(s): Mrs. Blair and Mrs. Angela

Welcome to 6th Grade Science! This syllabus shows a monthly breakdown of the standards your child will be taught, the objectives set forth to master those standards, and any major project or assignment that will assist in the mastery of those objectives.

We have completed this syllabus as a grade-level and content-area team in order to focus on consistency, and we have followed the state-approved blueprint. Specific weekly lesson plans will still be located on our school website: www.dekalbmiddleschoolsaints.com . They will be listed under your child's grade and teacher, per subject.

Thank you! Let's have a phenomenal year!

2016-2017

❖ August-

- ✚ Standard: Design a simple experimental procedure.
- ✚ Standard: Select tools and procedures needed to conduct an experiment.
- ✚ Standard: Interpret data.
- ✚ Standard: Draw conclusions.
- ✚ Standard: Identify experimental error.
 - Objective: I can design and select tools for experiments.
 - Objective: I can identify and list the steps of the scientific method.
 - ✓ Major Project/Assignment
 - Scientific Method Experiments
 - Identifying tools

❖ September-

- ✚ Standard: Identify tools and procedures of the Engineering Design Process
- ✚ Standard: Identify is the process was applied correctly.
- ✚ Standard: Identify benefits and consequences of new technology.

- ✚ Standard: Differentiate between adaptive and assistive products.
- ✚ Standard: Classify organisms.
- ✚ Standard: Identify characteristics of the ecosystem.
 - Objective: I can learn the steps of the Engineering Design Process.
 - Objective: I can identify how living and non-living organisms work within and ecosystem.
 - ✓ Major Project/Assignment:
 - Create New Technology
 - Create Levels of Ecosystem Organization

❖ **October-**

- ✚ Standard: Identify various elements of the major biomes.
 - Objective: I can identify how living things interact with one another in various environments.
 - ✓ Major Project/Assignment:
 - Biomes Research Activity

❖ **November-**

- ✚ Standard: Distinguish between the various types of energy.
- ✚ Standard: Interpret the relationship between potential and kinetic energy.
- ✚ Standard: Recognize the energy can be transformed from one type to another.
- ✚ Standard: Explain the Law of Conservation of Energy.
 - Objective: I can list the different types of Energy.
 - Objective: I understand that Energy cannot be created or destroyed.
 - ✓ Major Project/Assignment:
 - Create posters of the different types of Energy.
 - Create visuals of Energy Conversions.

❖ **December-**

- ✚ Standard: Identify simple circuits and how they are associated with the transfer of electricity.
- ✚ Standard: Identify materials that can conduct electricity.
 - Objective: I can identify simple and parallel circuits.
 - Objective: I can identify materials that conduct electricity.
 - ✓ Major Project/Assignment:
 - Create a simple circuit.
 - Create a parallel circuit.

❖ **January- March**

- ✚ Standard: Learn the components of the universe.
 - ✚ Standard: Distinguish between a day, lunar cycle, and year based on the movements of the earth, sun, and moon.
 - ✚ Standard: Explain the different phases of the moon.
 - ✚ Standard: Explain the difference between the different positions of the earth and sun to explain the four seasons.
 - ✚ Standard: Explain the difference between a solar and lunar eclipse.
 - Objective: I can describe the different components of the universe.
 - Objective: I can list the different phases of the moon.
 - Objective: I can explain why we have four different seasons.
 - Objective: I can describe the difference between a solar and lunar eclipse.
- ✓ Major Project/Assignment:
- Planet Research Project
 - Moon Phase Observation

❖ **March & April**

- ✚ Standard: Analyze data to identify events associated with heat convection in the atmosphere.
- ✚ Standard: Recognize the connection between the sun's energy and wind.
- ✚ Standard: Describe the temperature differences in the ocean currents.
- ✚ Standard: Make predictions about the weather.
 - Objective: I can determine the temperature about the weather due to ocean currents.
 - Objective: I can identify tools that help determine the weather.

❖ **May-**

- ✚ Standard: Review for TCAP
- ✚ Standard: Space Exploration
 - ✓ Major Project/Assignment:
 - Rocket Launch (Build and Launch a Rocket)

Mrs. Angela Johnson
6th Grade Science Syllabus
DeKalb Middle School
2016-2017

Course Objective: This year students will learn the state objectives in five main categories: Embedded Inquiry, Technology & Engineering, Life Science, Earth & Space Science, and Physical Science.

Classroom Expectations:

- Arrive to class on time and with all necessary materials
- Raise your hand for permission to speak or leave your seat
- Treat teacher and classmates with respect
- Be responsible and make wise choices
- No food, drink, or gum allowed in classroom (only bottled water)

Consequences (Teacher's Discretion):

- Warning
- Write Off / Curriculum Writing or Homework
- Contact Parent / Guardians
- Office / Detention / Isolation

*Isolation: The student will be contained to a classroom for the whole day. The student will only leave the isolation area for restroom breaks and lunch.

There is a severe clause, which means that a student can be sent to the office on the first offense. This would include fighting, drugs, weapons, or continually not following the rules.

Grading Distribution: (All assignments will be counted as equal.)

- Homework / Class Work
- Quizzes
- Tests
- Participation
- Projects

Example: Homework=95 Quiz=87 Test=80 Project=100 Participation=85

All grades $95 + 87 + 80 + 100 + 85 = 447/5 = 89.4$ (B)

Grading Scale: A = 100–92 B = 91–83 C = 75-82 D = 74-70 F = 69 - Below

Absences/Make-Up Work: It is very important that students are on time and present for every class. If a student is absent, it is the student's responsibility to ask for missed assignments. Our policy is that students have three days after returning to school to turn in missed assignments for full credit. All late assignments will automatically have 20 points deducted from the assignment. Extra time can be added if needed, with communication from parent to the teacher. Incomplete work can result in exclusion from extracurricular activities such as sports, dances, clubs, etc.

Materials Needed:

- 1- 2 inch Three-Ring Binder
- 5-Tabs Dividers
- Loose Leaf Paper
- Pencil, Eraser, Red Pen
- Crayons or Colored Pencils
- Highlighter
- Scissors

Wish List:

- Tissues
- Clorox Wipes
- Hand Sanitizer

Website: Our school website is www.dekalbmiddleschoolsaints.com. There you will find a link to my page where I will post information for our class. This is a great tool for parent and teacher communication.

I am excited about this school year. Please read over the syllabus with your child. If you have any questions or concerns, please feel free to contact me either by email or phone. Thank you in advance for your help in making this a great year!

Mrs. Angela Johnson

*Student Signature_____

*Parent Signature_____

*Date_____