

**Grade 7 Science Syllabus**  
**Randy Millard**  
**Anthony Middle School**  
**Course Syllabus 2019-2020**

**Course Description:** Welcome to 7th Grade Life Science! We have a great year ahead of us. We will learn about Natural Systems, Genetics, Matter, and the Human Body this year.

**Materials**

- **Students need a 3-ring binder (1 or 1.5 inch) that is used ONLY for Science**
- **Folder**
- **Wide lined loose leaf paper for your binder**
- **Pen or Pencil with eraser**
- **Colored pencils to keep at home for homework**

**Course Overview**

<b>Unit and Statement of Inquiry</b>	<b>Concepts</b>	<b>Projects</b>
September to Mid December <b>Unit A: Natural Systems</b> <b>Statement of Inquiry:</b> The sustainability and balance of natural systems is affected by interactions within the environment.	<ul style="list-style-type: none"> <li>● Populations &amp; Ecosystems</li> <li>● Food chains &amp; Webs</li> <li>● Habitats and Survival Conditions</li> <li>● Cycles</li> <li>● Ecology</li> <li>● Trophic Levels</li> </ul>	Jane Goodall Research Paper  MN Food Web and invasive species.
<b>Unit B: Diversity</b> <b>Statement of Inquiry:</b> Science transforms our understanding of the relationships and patterns of nature.	<ul style="list-style-type: none"> <li>● Genetics &amp; Heredity</li> <li>● Evolution</li> </ul>	Sesame Street Genetics  Selective Breeding of Dogs
December to March <b>Unit C: Physical Properties of Matter</b> <b>Statement of Inquiry:</b> Patterns of Evidence drive decisions over time	<ul style="list-style-type: none"> <li>● Mass</li> <li>● Volume</li> <li>● Density</li> </ul>	Object project- Students choose a common item and research the materials that are used to make it

<p><b>Unit D: Mixtures and Solutions</b>  <b>Statement of Inquiry:</b>  Evidence leads to scientific innovations that create change in our society.</p>	<ul style="list-style-type: none"> <li>● Solutions &amp; Mixtures</li> <li>● Separation Techniques</li> </ul>	<p>Separation Technique Lab   Separating Rock Salt Lab</p>
<p><b>Unit E: Elements, Compounds and Chemical Reactions</b>  <b>Statement of Inquiry:</b>  Changing Conditions create patterns in the environment.</p>	<ul style="list-style-type: none"> <li>● Periodic Table</li> <li>● Compounds</li> </ul>	<p>Earth Day Project-  All things are Linked</p>
<p>April to June  <b>Unit F: Structure and Function of Living Things</b>  <b>Statement of Inquiry:</b> Form and function drive the relationships in living systems.</p>	<ul style="list-style-type: none"> <li>● Digestive System</li> <li>● Nervous System</li> <li>● Respiratory and Circulatory System</li> <li>● Musculoskeletal System</li> <li>● Skin System</li> <li>● Urinary System</li> <li>● Disease</li> </ul>	<p>Germs Project   Human Body Project   Chicken Wing Dissection</p>

## Course Information

### 1. Grades

This course will use the MYP approach to grading. The MYP criteria will be used to assess learning targets (based on the MN State Standards).

#### a. Assignments are graded on an 8-point scale.

- 7-8 - Exceeds Expectations
- 5-6 - Meets Expectations
- 3-4 - Meets Some Expectations
- 1-2 - Meets Few Expectations
- 0- Meets No Expectations

#### **\*Important\***

Percentages displayed in the Parent Portal do NOT reflect grades. As an MYP School, all assignments are graded on a 0-8 point scale. The program used to store grades automatically calculates the grade in fractions of 8.

b. This course will be graded using the following categories:

- Criterion A - Knowing and Understanding
- Criterion B - Inquiring and Designing
- Criterion C - Processing and Evaluating
- Criterion D - Reflecting on the Impacts of Science
- Approaches to Learning

## 2. Homework

We will have weekly homework assignments but homework will generally consist of finishing work started in class. This may be a reading, a project, or a lab. Or it may be an open-ended individual research assignment that students have about a week to complete. It may also be studying for a quiz or a test. \*Late work is accepted until we take the Unit Test. Credit will be given for turning assignments in on time.

## 3. Extra Help

Mr. Millard will be available after school by appointment. We can also make arrangements to meet before school if students let us know that they would like help.

## 4. Contact Information

### **Randy Millard**

Email: [Randall.Millard@mpls.k12.mn.us](mailto:Randall.Millard@mpls.k12.mn.us)

Phone #: 668-3240

Office Hours: Lunch and After School by appointment

[http://anthony.mpls.k12.mn.us/Mr\\_Millard](http://anthony.mpls.k12.mn.us/Mr_Millard)

## **Classroom Expectations**

Students are expected to bring their school planner to class every day. Planners will be checked and updated weekly.

### **Be Respectful**

\*Be on time to all classes. If you are not sitting in your assigned seat when the bell rings you will be marked tardy. After three tardies, a referral must be written and given to the dean.

\*Be verbally respectful and considerate

### **Be Responsible**

\*Use time wisely

\*Put forth your best effort.

\*Complete all classwork and homework.

### **Be Ready to Learn**

\*Bring materials, paper, pen and books necessary for class.

### **Attendance and Make-up Work**

\*Passes: Bathroom passes will not be written. Each student will receive 2 passes per quarter to use for emergencies.

\*Be in class every day! Missing labs and getting behind will make it difficult for you to be successful in this class.

\*If you do miss class, talk to the students at your table to figure out what you missed. You should be sure to complete everything we did in the class you missed, it will be graded in your notebook check. If you are having trouble getting caught up, please schedule a time to meet with us so that we can get you back on track.

### **Academic Honesty**

\*Copying another student's work, cutting and pasting from the internet without a proper citation, and presenting another person's work as your own is Plagiarism.

\*Students who plagiarize will receive an automatic zero on the assignment and will be referred to the administration.