

**Thomas Edison Energy Smart Charter School**  
**2<sup>nd</sup> Grade Science Course Syllabus**  
**2015-2016**

*ALL DATES LISTED ARE TENTATIVE AND CAN BE CHANGED AT THE SCHOOL'S AND TEACHER'S DISCRETION*

**ALL UNITS - HOMEWORK:**

Each unit will have homework given throughout the lessons. Homework may not be given every night. Homework will consist of completing lab reports, practice pages in the science fusion book, and/or supplemental worksheets. Homework assignments not handed in on their due dates will be deducted 5 points per day it is late.

**ALL UNITS - QUIZZES:** Please anticipate 1-2 quizzes per unit. Quizzes may be unannounced.

**TESTS:** Tests will be completed at the end of every unit. Reviews will be completed one to two days before the test is given, however, tests will be announced in the weekly email preceding each week that the test will be completed.

**Project:**

We will have one science project per marking period. Science projects will be completed at home and/or in school. Project information and rubrics will be sent home in advance.

**Tentative Science Projects and Due Dates:**

Create a New Technology: 10/16

Animal Groups Book: 11/30

Animal Discovery and Diorama: 2/19

Solar System Diagram and Research Paper: 4/24

**Grading Policy:**

Test 40%

Quiz 25%

Labs 15%

Project 10%  
Homework 5%  
Participation 5%

<b>Unit 1: How Scientists Work</b> Time Frame: September 8, 2014- September 26, 2014	
Week of 9/8	Lesson 1-2
Week of 9/ 14	Lesson 2-3
Week of 9/21	Lesson 4
Week of 9/28	Lesson 5 Test Unit 1, October 1 <sup>st</sup>

<b>Unit 2: Technology and Our World</b> Time frame: October 5-October 26	
Week of 10/5	Lesson 1-2
Week 10/13	In-Class Technology Project
Week 10/19	Lesson 3-4

Week 10/26	Unit 2 Test, October 27 <sup>th</sup>
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<b>Unit 3: All About Animals</b>	
Time Frame: October 27 – November 13	
Week of 10/27	Lesson 1-3
Week of 11/2	Lesson 4-5
Week of 11/9	Animal Groups project Due 11/30 Unit 3 Review Unit 3 Test 11/12

<b>Unit 4: All About Plants</b>	
Time Frame: November 16 – December 8	

Week of 11/16	Lesson 1-2
Week of 11/23	Lesson 3 Erosion Activity
Week of 11/30	Lesson 4
Week of 12/7	Unit 4 test December 8

<b>Unit 5: Environment for Living Things</b> Time Frame: December 8 – December 23	
Week of 12/8	Lesson 1-2
Week of 12/14	Lesson 3-4
Week of 12/21	Lesson 5 Unit 5 Test December 23

<b>Unit 6: Earth and Its Resources</b> Time Frame: January 4- January 27	
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Week of 1/4	Lesson 1 Animal Discovery and Diorama Project (In-class).
Week of 1/11	Lesson 2 Project cont'd
Week of 1/19	Lesson 3 Project cont'd
Week of 1/25	Unit 6 Review Unit 6 Test January 28th

<b>Unit 7: All About Weather</b>	
Time Frame: January 28 – February 16	
Week of 1/29	Lesson 1-2
Week of 2/1	Lesson 3-4 Water Cycle experiment; making rain.
Week of 2/8	Lessons 5-6
Week of 2/16	Unit 7 review Unit 7 test 2/18

<b>Unit 8: The Solar System</b>	
Time Frame: February 18 – March 24	
Week of 2/18	Lesson 1
Week of 2/22	Lesson 2-3
Week of 2/29	Lesson 3 Observing Physical properties
Week of 3/7	Lesson 4 Chemical change activity
Week of 3/14	Lesson 5
Week of 3/21	Unit 9 test March 23 Solar System Project sent home (Due 4/24).

<b>Unit 9: Changes in Matter</b>	
Time Frame: April 4 – April 29	
Week of 4/4	Lesson 1-2

Week of 4/11	Lesson 3 Changing Matter Experiment and Ice Pop Freeze
Week of 4/18	Lesson 4 Review
Week of 4/25	Unit 9 Test 4/27

<b>Unit 10: Energy and Magnets</b>	
Time Frame: May 2- June 3	
Week of 5/2	Lesson 1
Week of 5/9	Magnetic vs. Non-magnetic Experiment
Week of 5/16	Lesson 2
Week of 5/23	How strong is that magnet (activity). Lesson 3
Week of 5/30	Unit 10 Review Unit 10 Test 6/2