

Date	Topics and materials to cover	Homework to turn in
August 9 (Evening Event)	Open House	
Unit 1-weeks 1-4	Scientific Method/Inquiry	
Week 1 8/14	Introductions, What is science? Branches of science, "ologists" (vocabulary), intro to scientific methods, Everything Notebook (EN) Ch 1 lab: "milk fireworks" time permitting	1. Find a scientist you think is cool 2. Everything notebook (EN) Ch 1 questions on pg 9 3. Find an example of science at work in your community 4. Bring in a question to be answered next class
Week 2 8/21	Designing scientific experiments, lab equipment and safety, EN chapters 2 & 5 lab: start "petunia project"	1. Start working on poster project 2. EN Ch 2 questions pg 29 & ch 5 questions pg 57
Week 3 8/28	Scientific units measurements, EN ch 4 lab: check on petunias, take measurements	1. complete posters for presentations next week 2. EN Ch 4 questions pg 43
Week 4 9/4	Poster presentations, creating lab reports, EN ch 3 lab: check on petunias, take measurements	1. EN Ch 3 questions pg 35
Unit 2-weeks 5-9	Life Science/Biology	Homework TBD
Week 5 9/11	What is alive? Classification of living things, EN ch 28 lab: check on petunias, take measurements	
Week 6 9/18	Cell structure; plant cells vs animal cells; plant structure; EN chapters 29, 32, lab: check on petunias, take measurements lab: make cell models	
Week 7 9/25	animals: invertebrates, vertebrates, behaviors, adaptations; EN chapters 33-35 lab: check on petunias, take measurements lab: carnivore/herbivore skulls	
Week 8 10/2	ecology: habitats, biomes, interdependence; food web project; EN chapters 46-48 lab: complete petunia project	
10/9	Fall Break	
Week 9 10/16	Heredity, genetics, evolution; EN chapters 42, 43	
Unit 3-weeks 10-15	Human Anatomy & Physiology	Homework TBD
Week 10 10/23	Body parts and systems; bones and joints; EN ch 36 lab: create your body	

October 27 (Evening Event)		Halloween Party	
Week 11	10/30	Muscles and movement lab: using your movement sense lab: add this system to your model	
Week 12	11/6	Nervous and endocrine systems; EN ch 37 lab: using your other 5 senses lab: reaction times lab: add this system to your model	
Week 13	11/13	Digestive and excretory systems; EN ch 38 lab: nutrition facts/build a great plate lab: add this system to your model	
	11/20	Thanksgiving Break	
Week 14	11/27	Respiratory and circulatory systems; EN ch 39 Immune and lymphatic systems; EN ch 40 lab: heart rates, respiratory rates lab: add these systems to your body	
Week 15	12/4	CSI-finger prints, blood types, DNA	
December 11 (Morning Event)		Science Fair	
December 12 - January 7		Winter Break	
Unit 4-weeks 16-21		Earth/Space Science	
Week 16	1/8/19	History of the Earth! Oh, and some dinosaurs; EN Chapters 44, 45 lab: time lines (to scale?) and fossils	homework TBD
Week 17	1/15	Earth's structure, rocks & minerals, how the earth's surface changes; EN chapters 22-24 lab: find and observe rocks/minerals?	
Week 18	1/22	Atmosphere, H2O cycle, weather (extreme weather!), climate; EN chapters 25-26 lab/project: weather prediction journal	
Week 19	1/29	Sun, moon, tides, seasons; EN ch 19	
Week 20	2/5	Solar system, sun, moon; EN ch 18	
Week 21	2/12	Universe, galaxies, stars; EN chapters 20, 21	
Unit 5-weeks 22-26		Physics	homework TBD
Week 22	2/19	Motion, forces; EN chapters 9-11 lab: catapults?	

Week 23	2/26	Work and machines; EN chapters 11-12 lab: make some machines	
Week 24	3/5	Forms of Energy, thermal energy; EN chapters 13-14	
	3/12	Spring Break	
Week 25	3/19	Light and Sound waves; EN ch 15 lab: prisms? Sound waves and water?	
Week 26	3/26	Electricity and magnetism; En ch 16-17 lab: building circuits	
Unit 6-weeks 27-31		Chemistry	homework TBD
Week 27	4/2	Matter, properties and phases; EN ch 6 lab: melting ice	
Week 28	4/9	Periodic table, atomic structure; EN ch 7 lab: atom models	
Week 29	4/16	Periodic table, continued, compounds lab: mystery powders	
Week 30	4/23	Solutions and fluids; EN ch 8	
Week 31	4/30	Wrap up	
May 7 (Daytime Event)		Year End Picnic	