

## Curriculum Map 5 Science

	CONCEPT	SKILLS	ASSESSMENT
<b>S E P T E M B E R</b>	<p><b>The Nature of Science and Engineering:</b> Practice of Science Scientific Method Lab Safety Interactions Among Science, Engineering, Technology and Society</p> <p>5.1.1.2.3; 5.1.1.21; 5.1.1.1.1; 5.1.3.2.1; 5.1.1.1.2</p>	<p>Create, develop, and manufacture Identify criteria and constraints Make representations Test and evaluate Redefine the design Construct a product Solve a problem Accurate record keeping Collecting evidence Use clear communication Replicate data Make impartial observations Be open to scrutiny Follow safe and appropriate procedures</p>	<p><i>Formative</i> Marshmallow Challenge 3-2-1 Exit Ticket Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Lab Sheet <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Safety Test Lab Materials Test</p>
<b>O C T O B E R</b>	<p><b>Life Science:</b> Structure and Function of Living Systems Interdependence Among Living Systems Human Interactions with Living Systems <b>The Nature of Science and Engineering:</b> Interactions Among Science, Engineering, Technology and Society Lab Safety Nature of Science</p> <p>5.4.1.1.1; 5.4.2.1.1; 5.4.2.1.2; 5.4.4.1.1</p>	<p>Openness to scrutiny Safe and appropriate procedures Describe components of natural systems Compare plant structures Explore plants adaptations Describe a natural system in Minnesota Explain the relationship between abiotic and biotic Construct a food web Relate impact of humans on plant and animal systems Investigate the physics of sounds</p>	<p><i>Formative</i> Thumbs Up Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Lab Sheet-Leaves Venn Diagram Collect water samples KWL chart Food Web Diagram Chapter 1 Review Screaming Ghosts <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Chapter 1 Test</p>
<b>N O V E M B E R</b>	<p><b>The Nature of Science and Engineering:</b> Interactions Among Science, Engineering, Technology and Society <b>Life Science:</b> Practice of Engineering Structure and Function of Living Systems Lab Safety Nature of Science <b>Physical Science:</b> Motion <b>Earth Science:</b> Human Interactions with Earth Systems</p> <p>5.2.2.1.2; 5.1.3.4.2; 5.3.4.1.3; 5.4.1.1.1;</p>	<p>Investigate the physics of sounds Describe plant and animal adaptations Explore niche habitats Analyze various kinds of maps Explain forces that affect object's movement Investigate ecosystem Compare impact of decisions on natural systems Illustrate components of a carbon cycle</p>	<p><i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Chapter 4 Lessons 1, 2 Review Lab Sheet-Mimicry KWL chart <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Foldable Diagram of carbon cycle</p>

## Curriculum Map

	CONCEPT	SKILLS	ASSESSMENT
<b>D E C E M B E R</b>	<p><b>Life Science:</b> Structure and Function of Living Systems Interdependence Among Living Systems Interactions Among Science, Engineering, Technology and Society</p> <p><b>The Nature of Science and Engineering:</b> The Practice of Science</p> <p>5.4.1.1.1; 5.4.2.1.1; 5.4.2.1.2; 5.1.3.4.2; 5.3.4.1.3; 5.1.1.2.2</p>	<p>Investigate Latitude and Longitude Explore biomes of Minnesota Examine water ecosystems Correlate human impact on ecosystems</p>	<p><i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Chapter 4 Lessons 3,4 Review Lab Sheet KWL chart</p> <p><i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Foldable Chapter 4 Test</p>
<b>J A N U A R Y</b>	<p><b>Life Science:</b> Structure and Function of Living Systems Interdependence Among Living Systems Interactions Among Science, Engineering, Technology and Society</p> <p>5.4.1.1.1; 5.4.2.1.1; 5.4.2.1.2; 5.3.4.1.3; 5.1.1.2.2; 5.1.1.2.1</p>	<p>Research biomes of the world Gather data on biomes Identify relevant evidence Make systematic observations Identify variables Present oral presentation Investigate solar system</p>	<p><i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions How Big? How Far?</p> <p><i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Biome Diorama Biome Power Point Presentation/Video</p>
<b>F E B R U A R Y</b>	<p><b>Physical Science:</b> Motion Structure and Function of Living Systems Interdependence Among Living Systems Interactions Among Science, Engineering, Technology and Society</p> <p>5.2.2.1.1; 5.2.2.1.3; 5.2.2.1.3</p>	<p>Force affects object's motion Determine speed and direction of moving object Describe simple machines Depict compound machines Explain how friction impacts movement Define acceleration Demonstrate momentum Investigate Newton's Laws</p>	<p><i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Chapter 11 Lessons 1, 2, Review Lab Sheet-Bounce KWL chart</p> <p><i>Summative:</i> Whiteboard Write-Out Student Self-Report Note</p>

## Curriculum Map

	CONCEPT	SKILLS	ASSESSMENT
<b>M A R C H</b>	<p><b>Physical Science:</b> Motion</p> <p><b>Life Science:</b> Practice of Engineering</p> <p>5.2.2.1.1; 5.2.2.1.2; 5.2.2.1.3; 5.1.3.4.1</p>	<p>Identify forces: friction, drag</p> <p>Demonstrate that a greater force produces a greater change in motion</p> <p>Give examples of simple machines</p> <p>Demonstrate changes in forces and motion</p> <p>Define energy</p> <p>Explain energy used to produce work</p>	<p><i>Formative</i></p> <p>Homework Pathways</p> <p>Worksheets and Textbook Questions</p> <p>Vocabulary definitions</p> <p>Chapter 11 Lesson 3 Review</p> <p>Lab Sheet-Spring Scales</p> <p><i>Summative:</i></p> <p>Whiteboard Write-Out</p> <p>Student Self-Report Note</p> <p>Foldable</p> <p>Egg Drop</p>
<b>A P R I L</b>	<p><b>Physical Science:</b> Motion</p> <p><b>Life Science:</b> Practice of Engineering</p> <p><b>The Nature of Science and Engineering:</b> The Practice of Science</p> <p>5.4.1.1.1; 5.4.2.1.1; 5.1.3.4.2; 5.2.2.1.1; 5.2.2.1.2</p>	<p>Define energy</p> <p>Explain energy used to produce work</p> <p>Demonstrate fulcrums</p> <p>Display work of levers, ramps</p> <p>Establish compound machines as two or more simple machines combined</p>	<p><i>Formative</i></p> <p>Homework Pathways</p> <p>Worksheets and Textbook Questions</p> <p>Vocabulary definitions</p> <p>Chapter 11 Lesson 4 Review</p> <p>Lab Sheet-Mimicry</p> <p>KWL chart</p> <p><i>Summative:</i></p> <p>Whiteboard Write-Out</p> <p>Student Self-Report Note</p> <p>Foldable - Simple Machines</p>
<b>M A Y</b>	<p><b>Earth Science:</b> Earth Structure and Processes</p> <p>Human Interaction with Earth Systems</p> <p>Practice of Engineering</p> <p>Structure and Function of Living Systems</p> <p>Interdependence Among Living Systems</p> <p><b>Earth Science</b> Earth Structure and Processes</p> <p>5.3.1.2.1; 5.3.4.1.1; 6.1.3.4.1; 5.3.4.1.2.; 5.1.1.1.1; 5.1.1.1.3; 5.1.1.2.2</p>	<p>Describe the changes in the Earth's surface over time</p> <p>Demonstrate water erosion and landslides</p> <p>Volcanic eruptions</p> <p>Conduct scientific research</p> <p>Compile and organize research</p> <p>Complete a bibliography</p> <p>Design and build a display</p> <p>Present oral presentation</p>	<p><i>Formative</i></p> <p>Homework Pathways</p> <p>Worksheets and Textbook Questions</p> <p>Vocabulary definitions</p> <p>Chapter 5 Lessons 1,2,3 Review</p> <p>Research Notes</p> <p>Lab Sheet</p> <p><i>Summative:</i></p> <p>Rubric-Volcano Project Poster</p> <p>Rubric-Volcano Oral Report</p> <p>Student Self-Report Note</p>

## Curriculum Map 6 Science

	CONCEPT	SKILLS	ASSESSMENT
<b>S E P T E M B E R</b>	Practice of Engineering Scientific Method Lab Safety Nature of Science  6.1.2.1.4; 5.1.1.1.1; 5.1.1.1.2; 5.1.1.1.3; 5.1.1.1.4; 6.1.3.4.1;	Create, develop, and manufacture Identify criteria and constraints Make representations Test and evaluate Redefine the design Construct a product Solve a problem Accurate record keeping Collecting evidence Clear communication Replicated data Impartial observations Openness to scrutiny Safe and appropriate procedures	<i>Formative</i> Marshmallow Challenge Thumbs Up 3-2-1 Exit Ticket Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Lab Sheet <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Safety Test Lab Materials Test
<b>O C T O B E R</b>	Earth Science Human Interactions and Influence of Earth Systems Structure and Function of Living Systems Interdependence Among Living Systems Practice of Engineering Physical Science Practice of engineering  5.3.4.1.3; 5.3.1.1.1; 5.4.2.1.1; 6.1.2.2.1; 6.2.3.2.1	Compare impact of decisions on natural systems Observe plant structures in a natural system Describe the functions that provide an advantage for survival Compare physical characteristics Describe a natural system in Minnesota List Components that make up each system Designed Systems interact that with other systems Surviving ELC Differentiate between kinetic and potential energy Design projectile to get maximum distance	<i>Formative</i> Water Lab Lab Sheet Thumbs Up 3-2-1 Exit Ticket Homework Pathways Worksheets and Textbook Questions Chapter 4 Lesson 2, 3, 4 Reviews <i>Summative:</i> Water Cycle Poster Straw Shooter Lab with Conclusion Table Feud Student Self-Report Note Chapter 4 Test
<b>N O V E M B E R</b>	Nature and Science of Engineering Earth Science Practice of Science-Natural World  6.1.3.4.1; 5.1.1.1.4; 5.1.1.1.1; 5.1.1.1.3; 5.1.1.2.2	Latitude and Longitude Water erosion and Landslides Volcanic eruptions Conduct scientific research Compile and organize research Acquire empirical knowledge Evaluate logical argument Utilize skeptical review	<i>Formative</i> Thumbs Up 3-2-1 Exit Ticket Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Research Notes Lab Sheet-Making Mountains Chapter 5 Lesson 3 Review <i>Summative:</i> Chapter 5 Test Student Self-Report Note

## Curriculum Map

	CONCEPT	SKILLS	ASSESSMENT
<b>D E C E M B E R</b>	Nature and Science of Engineering Earth Science Practice of Science-Natural World  6.1.3.4.1; 5.1.1.1.4.; 5.1.1.1.1; 5.1.1.1.3; 5.1.1.2.2	Conduct scientific research Compile and organize research Acquire empirical knowledge Evaluate logical argument Utilize skeptical review Complete a bibliography Design and build a display Present oral report	<i>Formative</i> Thumbs Up 3-2-1 Exit Ticket Homework Pathways Vocabulary definitions Research Notes <i>Summative:</i> Rubric-Volcano Project Poster Rubric-Volcano Oral Report Student Self-Report Note
<b>J A N U A R Y</b>	Physical Science-Matter Earth Science: The Universe  6.2.1.1.1; 6.2.1.2.1; 6.2.1.2.2; 6.2.1.2.3; 8.3.3.1.1	Properties of Matter: Density of liquids, solids, gases Compression Diffusion Physical Properties Physical Changes of Matter Buoyancy Archimedes' Principal Conductors and Insulators Planets in our Solar system	<i>Formative</i> K-W-L Chart Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Lab Sheet-Density of Water Lab Sheet-Density of Solid Objects Chapter 9 Lesson 1, 2 Review Chapter 8 Lesson 3 Review <i>Summative:</i> Student Self-Report Note Data Table Foldable: What is Astronomy
<b>F E B R U A R Y</b>	Earth Science: The Universe  8.3.3.1.1; 6.1.3.4.2	Compare sizes of planets, moons, stars Use International System of Units (SI) to estimate distance between Gravity and Orbits of Comets, Asteroids, Meteors, Meteorites, Meteoroids Properties of Stars: Magnitude, Size, Color, Age	<i>Formative</i> 3-2-1 Exit Ticket Exploradome: How Big? How Far? Worksheets and Textbook Questions Chapter 8 Lesson 1, 3, 4, 5 Reviews Interactive Notebook- Comets, Asteroids, Meteors, Meteorites, Meteoroids Vocabulary definitions Lab Sheet-Galaxy's Formation <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Chapter 8 Test

## Curriculum Map

	CONCEPT	SKILLS	ASSESSMENT
<b>M A R C H</b>	Physical Science: Matter  6.2.1.1.1; 7.2.1.1.1; 7.2.1.1.2; 7.2.1.1.3; 6.2.1.2.2; 6.2.1.2.3; 6.2.3.2.2	Elements Periodic Table Atoms Molecules Chemical Formulas Mixtures Compounds Changes in Matter: Heat and Energy Pressure Solutions	<i>Formative</i> Thumbs Up Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Lab Sheet-Build an Atom Matching Elements to Atoms Lab Sheet-Saturated Solutions Chapter 9 Lesson 1, 2, 3, 4 Reviews <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Chapter 9 Test
<b>A P R I L</b>	Chemical Earth Day Forces and Energy Physical Science: Matter  6.2.1.1.1; 6.2.1.2.1; 6.2.1.2.3; 8.2.1.2.1; 8.2.1.2.2	Chemical Changes Chemical Reactions Synthesis Reaction Decomposition Reaction Replacement Reaction Reactant Exothermic Endothermic pH: Acids, Bases, Neutrals Greenhouse Gases Emissions Properties of Waves and Sound	<i>Formative</i> Thumbs Up Homework Pathways Worksheets and Textbook Questions Problems Vocabulary definitions Class Lab Sheet-Exothermic; Vinegar and Baking Soda Lab Sheet- pH Chapter 10 Lesson 1, 2, 3, 4 Reviews <i>Summative:</i> Student Self-Report Note Chapter 10 Test Top 5 List (Greenhouse Gas Emitters) Carbon Footprint
<b>M A Y</b>	Forces and Energy  6.2.2.2.1; 6.2.2.2.2; 6.2.2.2.3; 6.2.3.1.1; 6.2.3.1.1; 6.2.3.1.3	Properties of Waves and Sound Conduct scientific research Compile and organize research Acquire empirical knowledge Evaluate logical argument Utilize skeptical review Design and experiment Carry out experiment under controlled conditions Identify variables and constants Complete a bibliography Design and build a display Present oral presentation	<i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Lab Sheet – Design Experiment <i>Summative:</i> Student Self-Report Note Research Notes Lab Sheet-Completed Experiment Rubric- Project Poster Rubric- Oral Report

## Curriculum Map 7 Science

	CONCEPT	SKILLS	ASSESSMENT
<b>S E P T E M B E R</b>	Nature of Science and Engineering Practice of Science Interaction Among Science, Technology, Engineering, Mathematics, and Society  7.1.1.2.2; 7.1.1.1.1; 7.1.1.1.2; 7.1.1.2.1; 7.1.1.2.3; 7.1.1.2.4; 7.1.3.4.2	Design an engineering solution Utilize scientific laws Demonstrate engineering principals Lab Safety Organize data Recognize SI Basic Units Utilize map projections and topographic maps Describe patterns Make predictions	<i>Formative</i> Marshmallow Challenge 3-2-1 Exit Ticket Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Lab Sheet-Dark Suckers NOS Lesson 1 Review <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Safety Test Lab Materials Test NOS Lessons 1 Quiz
<b>O C T O B E R</b>	Nature of Science and Engineering Practice of Science Interaction Among Science, Technology, Engineering, Mathematics, and Society Physical Science - Matter  7.2.1.1.1; 7.1.1.1.2; 7.1.1.2.1; 7.1.1.2.3; 7.1.1.2.4; 7.1.3.4.2; 7.4.1.2.3	Recognize elements Describe Periodic Table Conduct scientific research Compile and organize research Make predictions Use International System of Units (SI) Make a data table Classify organisms Describe a cladogram Construct a dichotomous key Identify steps of cell theory List 4 types of macromolecules	<i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Table Feud - Chapter 1 Review Lab Sheet – Launch Lab Chapter 1 Chapter 1 Lessons 1, 2, 3 Review <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Collage of six kingdoms Chapter 1 Test
<b>N O V E M B E R</b>	Nature of Science and Engineering Practice of Science Interaction Among Science, Technology, Engineering, Mathematics, and Society Physical Science - Matter  7.4.1.2.3; 7.4.1.1.1; 7.4.1.2.1; 7.2.1.1.1; 7.1.1.1.2; 7.1.1.2.1; 7.1.1.2.3; 7.1.1.2.4; 7.1.3.4.2	Demonstrate density Make a data table Describe basic cell substances Label cell organelles Use a microscope Prepare a microscope slide Observe passive transport Design an experiment Conduct scientific research Compile and organize research Make predictions	<i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Graphic Organizer-Molecules Table Feud - Chapter 2 Review Lab Sheet – Launch Lab Chapter 2 Lab Sheet – Swedish Fish Chapter 2 Lessons 1, 2, 3 Review <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Chapter 2 Lesson 1, 2, 3 Test Project Sheet – Science Fair

## Curriculum Map

	CONCEPT	SKILLS	ASSESSMENT
<b>D E C E M B E R</b>	Nature of Science and Engineering Practice of Science Interaction Among Science, Technology, Engineering, Mathematics, and Society  7.2.1.1.1; 7.1.1.1.2; 7.1.1.2.1; 7.1.1.2.3; 7.1.1.2.4; 7.1.3.4.2	Conduct scientific research Compile and organize research Acquire empirical knowledge Evaluate logical argument Utilize skeptical review Design and experiment Carry out experiment under controlled conditions Identify variables and constants Compile a bibliography	<i>Formative</i> Thumbs Up Research Notes Lab Sheet-Design Experiment <i>Summative:</i> Lab Sheet-Completed Experiment Rubric- Project Poster Rubric- Oral Report Student Self-Report Note
<b>J A N U A R Y</b>	Nature of Science and Engineering Practice of Science Interaction Among Science, Technology, Engineering, Mathematics, and Society Physical Science - Matter  7.2.1.1.1; 7.1.1.1.2; 7.1.1.2.1; 7.1.1.2.3; 7.1.1.2.4; 7.1.3.4.2	Compile and organize research Evaluate logical argument Utilize skeptical review Identify variables and constants Complete a bibliography Design and build a display Present oral presentation Examine cell cycle Review solar system	<i>Formative</i> Research Notes Lab Sheet-Data and Conclusion Chapter 3 Lesson 1 Review How Big? How Far? <i>Summative:</i> Lab Sheet-Completed Experiment Rubric- Project Poster Rubric- Oral Report Student Self-Report Note
<b>F E B R U A R Y</b>	Life Science Structure of Living Systems Functions of Living Systems  7.4.1.1.1; 7.4.1.2.1; .7.4.1.2.2; 7.4.1.2.3; 7.4.1.1.2	Demonstrate cell cycle; cell division Recognize that cells carry out life functions Discern that cells repeatedly divide to make more cells for growth and repair Distinguish between plant and animal cells Recognize parts of skeletal system	<i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Table Feud - Chapter 3 Review Lab Sheet – Launch Lab Chapter 1 Chapter 3 Lessons 2, 3 Review Diagram of bone structure <i>Summative:</i> Video presentation - Cells Student Self-Report Note Collage of six kingdoms Chapter 3 Test

## Curriculum Map



	<b>CONCEPT</b>	<b>SKILLS</b>	<b>ASSESSMENT</b>
<b>M A R C H</b>	Life Science Structure of Living Systems Functions of Living Systems Interdependence Among Living Systems  7.4.1.1.2; 7.4.2.1.1	Recognize Human Body Systems: Muscular System Integumentary System Digestive System	<i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Table Feud - Chapter 14 Review Lab Sheet- Chicken Wing Dissection Chapter 14 Lessons 1, 2, 3 Review <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Bone Quiz Chapter 14 Test
<b>A P R I L</b>	Life Science Structure of Living Systems Functions of Living Systems Interdependence Among Living Systems  7.4.1.1.2; 7.4.2.1.1; 7.2.1.1.3	Recognize Human Body Systems: Digestive System Excretory System Respiratory Identify pH of bases, acids, neutrals	<i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Model of Excretory System Table Feud - Chapter 15 Review Lab Sheet – pH Chapter 15 Lessons 1, 2, 3 Review <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Bone Quiz Chapter 15 Test
<b>M A Y</b>	Life Science Structure of Living Systems Functions of Living Systems Interdependence Among Living Systems  7.4.1.1.2; 7.4.2.1.1; 7.4.3.1.2	Recognize Human Body Systems: Lymphatic System Nervous System Reproductive System	<i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Skeletal System Fold-out Table Feud - Chapter 16 Review Lab Sheet – Lymphatic System Chapter 16 Lessons 1, 2, 4 Review <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Bone Quiz Chapter 16 Test Frog Dissection Lab

## Curriculum Map 8 Science

	CONCEPT	SKILLS	ASSESSMENT
<b>S E P T E M B E R</b>	Nature of Science and Engineering Interaction Among Science, Technology, Engineering, Mathematics, and Society Earth Science  8.1.3.3.1; 8.1.1.1.1; 8.1.1.2.1; 8.1.3.4.2; 8.1.3.4.1; 8.1.3.3.2	Design an engineering solution Utilize scientific laws Demonstrate engineering principals Lab Safety Organize data Recognize SI Basic Units Utilize map projections and topographic maps Describe patterns Make predictions Apply latitude, longitude, contour lines	<i>Formative</i> Marshmallow Challenge Thumbs Up 3-2-1 Exit Ticket Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Lab Sheet <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Safety Test Lab Materials Test
<b>O C T O B E R</b>	Nature of Science and Engineering Interaction Among Science, Technology, Engineering, Mathematics, and Society Earth Science  8.3.1.2.1; 8.1.3.4.2; 8.1.3.4.1; 8.1.3.3.3; 8.3.1.1.1; 8.1.1.1.1	Utilize map projections and topographic maps Construct a contour map Describe constructive and destructive processes of land formations Compare Mercator, Gall-Peters maps Demonstrate impact of technological advancement on society Describe properties of Earth's layers Conduct scientific research Compile and organize research Make predictions	<i>Formative</i> Thumbs Up 3-2-1 Exit Ticket Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Chapter 1 Lessons 1, 2 Review Table Feud-Chapter 1 Review Lab Sheet – Contour Mapping Diagram-Earth's Layers <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Chapter 1 Test
<b>N O V E M B E R</b>	Nature of Science and Engineering Interaction Among Science, Technology, Engineering, Mathematics, and Society Earth Science  8.3.1.2.1; 8.1.3.4.2; 8.1.3.4.1; 8.1.3.3.3; 8.3.1.1.1; 8.1.1.1.1	Demonstrate density Make a data table Describe properties of Earth's layers Conduct scientific research Compile and organize research Make predictions	<i>Formative</i> Thumbs Up Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Chapter P Lessons 1, 2 Review Table Feud - Chapter Review Lab Sheet – Density of Skittles <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Chapter P Lessons 1, 2 Quiz Project Sheet – Science Fair

## Curriculum Map

	CONCEPT	SKILLS	ASSESSMENT
<b>D E C E M B E R</b>	Nature of Science and Engineering Practice of Science Interaction Among Science, Technology, Engineering, Mathematics, and Society  8.1.1.1.1; 8.1.1.2.1; 8.1.3.3.1; 8.1.3.3.2; 8.1.3.3.3	Conduct scientific research Compile and organize research Acquire empirical knowledge Evaluate logical argument Utilize skeptical review Design and experiment Carry out experiment under controlled conditions Identify variables and constants Compile a bibliography	<i>Formative</i> Research Notes Lab Sheet- Experiment Data Tables <i>Summative:</i> Lab Sheet-Completed Experiment Student Self-Report Note Bibliography
<b>J A N U A R Y</b>	Nature of Science and Engineering Practice of Science Interaction Among Science, Technology, Engineering, Mathematics, and Society Earth Science The Universe  8.1.1.1.1; 8.1.1.2.1; 8.1.3.3.1; 8.1.3.3.2; 8.1.3.3.3; 8.3.3.1.1	Compile and organize research Evaluate logical argument Utilize skeptical review Identify variables and constants Complete a bibliography Design and build a display Present oral presentation Recognize the sun is a medium star	<i>Formative</i> Research Notes Lab Sheet-Data and Conclusion <i>Summative:</i> Lab Sheet-Completed Experiment Rubric- Project Poster Rubric- Oral Report Student Self-Report Note
<b>F E B R U A R Y</b>	Earth Science The Universe  8.3.3.1.1; 8.3.3.1.3; 8.3.3.1.4; 8.3.3.1.5	Identify the Milky Way galaxy Reveal gravity and its effects Compare sizes of planets and moons in our solar system Investigate compositions of planets in our solar system Describe Earth’s rotation and revolution Explain phases of the moon	<i>Formative</i> Thumbs Up 3-2-1 Exit Ticket Homework Pathways Worksheets and Textbook Questions Vocabulary definitions How Big? How Far? Chapter 19 Lessons 1, 2, 3 Review Rotation/Revolution Foldable <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note

## Curriculum Map

	CONCEPT	SKILLS	ASSESSMENT
<b>M A R C H</b>	Life Science Personal Health Nutrition Mental Health Sexuality Family Life  7.4.3.1.2; H.8.1.1; H.8.1.2; H.8.2.1	Explain day length, phases of the moon Predict tides Demonstrate a healthy lifestyle Formulate good nutritional choices	<i>Formative</i> Thumbs Up 3-2-1 Exit Ticket Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Chapter 20 Lessons 1, 2, 3 Review Chapter 4 Lesson 1 Review (Health Book) <i>Summative:</i> Student Self-Report Note Tide Project Chapter 4 Test (Lesson 1) Weekly Menu Plan
<b>A P R I L</b>	Life Science Personal Health Nutrition Mental Health Sexuality Family Life  7.4.3.1.2; H.8.1.1; H.8.1.2; H.8.2.1	Investigate asexual reproduction Define sexual reproduction Recognize heredity, genes, chromosomes from each parent Identify teen stressors List positive/negative responses to stressors	<i>Formative</i> Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Chapter 19 Lessons1 Review  <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Chapter 19 Test (Lesson1)
<b>M A Y</b>	Life Science Personal Health Nutrition Mental Health Sexuality Family Life  7.4.3.1.2; H.8.1.1; H.8.1.2; H.8.2.1	Demonstrate ability to care for “infant” Utilize scenarios to recognize safe or risky behaviors Investigate factors that affect male/female’s reproductive health	<i>Formative</i> Thumbs Up 3-2-1 Exit Ticket Homework Pathways Worksheets and Textbook Questions Vocabulary definitions Chapter 1 Lesson 2 Review <i>Summative:</i> Whiteboard Write-Out Student Self-Report Note Chapter 19 Test (Lesson 2)