

INSTRUCTIONAL UNIT: <u>Earth Science- Solar System</u>	PLANNED INSTRUCTION (COURSE) Elementary Science Grade Three	ESTIMATED TIME: <u>2 weeks</u>
CONTENT STANDARD(S) OBJECTIVES	PERFORMANCE STANDARDS (COURSE CONTENT AND STUDENT ACTIVITIES)	ASSESSMENT AND SCORING GUIDE(S) OF CONTENT STANDARD(S)
3.4.4	D. Students will recognize the earth's place in the Solar System. Students will explain and illustrate the causes of the earth's Seasonal changes Students will identify planets in our Solar System and their general characteristics.	Smart Board Activities Drawings Models Videos Guided Reading Books Teacher Read-Alouds Bell Ringer Morning Message Compass-Astronomy Level-3

INSTRUCTIONAL UNIT: Environmental Science Weather <hr/>	PLANNED INSTRUCTION (COURSE) Elementary Science Grade 3	ESTIMATED TIME: 2 weeks <hr/>
CONTENT STANDARD(S) OBJECTIVES	PERFORMANCE STANDARDS (COURSE CONTENT AND STUDENT ACTIVITIES)	ASSESSMENT AND SCORING GUIDE(S) OF CONTENT STANDARD(S)
3.5.4	C. Students will know basic weather elements. Students will identify cloud types Students will identify weather patterns from data charts	Weather unit from Naturescope-Ranger Rick Series for teachers Guided Reading books Bell Ringers Morning Messages Reading A-Z

INSTRUCTIONAL UNIT Inquiry and Design	PLANNED INSTRUCTION (COURSE) Elementary Science Grade 3	ESTIMATED TIME: 1 week
CONTENT STANDARD(S) OBJECTIVES	PERFORMANCE STANDARDS (COURSE CONTENT AND STUDENT ACTIVITIES)	ASSESSMENT AND SCORING GUIDE(S) OF CONTENT STANDARD(S)
3.2	<ul style="list-style-type: none"> A. Students will learn to distinguish between scientific fact and a belief B. Students will describe objects in the world using the 5 senses. C. Children will recognize and use the elements of scientific inquiry to solve problems. (Generate questions, design an investigation, conduct as experiment, state conclusion consistent with the information) 	Guided Reading Bell Ringer Morning Message Science Fair Compass-Science Level 3 on Scientific Investigation, Scientific Processes, Chapter tests Reading A-Z

INSTRUCTIONAL UNIT: _Life Science Biology_____	PLANNED INSTRUCTION (COURSE) Elementary Science 3rd	ESTIMATED TIME: _____4 weeks_____
CONTENT STANDARD(S) OBJECTIVES	PERFORMANCE STANDARDS (COURSE CONTENT AND STUDENT ACTIVITIES)	ASSESSMENT AND SCORING GUIDE(S) OF CONTENT STANDARD(S)
3.3.4	<ul style="list-style-type: none"> A. Students will describe the basic needs of plants and animals. B. Students will observe, and illustrate the life cycle of an animal or insect. Students will observe and illustrate metamorphosis in an insect. 	Paragraph writing Guided Reading Books Monarchs in the Classroom- text for teachers Grades 3-6 by Karen Oberhauser Smart Board Activities Teacher Read -Alouds Bell Ringer Teacher Created Materials Morning Message Drawings Paper-Pencil tests Compass Learning- Level 3/Life Environment- Compare plants and animals Reading A-Z books

INSTRUCTIONAL UNIT: PHYSICAL SCIENCE ELECTRICITY	PLANNED INSTRUCTION (COURSE) ELEMENTARY SCIENCE GRADE 3	ESTIMATED TIME: 2 WEEKS
CONTENT STANDARD(S) OBJECTIVES	PERFORMANCE STANDARDS (COURSE CONTENT AND STUDENT ACTIVITIES)	ASSESSMENT AND SCORING GUIDE(S) OF CONTENT STANDARD(S)
3.4.4	<p>B. Students will describe static electricity in terms of attraction, repulsion, and sparks</p> <p>Students will apply knowledge of the basic electrical circuits to design and construct simple and direct current circuits.</p>	<p>Bell Ringer Smart Board Activities Teacher Read-Alouds Diagrams Drawings Morning Message The Magic of Electricity-Book, Laurence Hall of Science, University of California, Berkley 94720 (510-642-7771)</p>

INSTRUCTIONAL UNIT: Physical Science-Matter <hr/>	PLANNED INSTRUCTION (COURSE) Elementary Science Grade 3	ESTIMATED TIME: <u> 2 weeks </u>
CONTENT STANDARD(S) OBJECTIVES	PERFORMANCE STANDARDS (COURSE CONTENT AND STUDENT ACTIVITIES)	ASSESSMENT AND SCORING GUIDE(S) OF CONTENT STANDARD(S)
3.4.4	A. Students will recognize the basic concepts about the structure and properties of matter. (e.g. hardness, reactions to simple chemical tests) Students will know that by combining 2 or more substances can make new materials with different properties. Students will know different material characteristics (e.g. texture, state of matter, solubility)	Guided Reading Books Smart Board Activities GEM Books Compass-Level 3 Science-Nature of Matter Reading A-Z Books

INSTRUCTIONAL UNIT: Computer Science <hr/>	PLANNED INSTRUCTION (COURSE) Elementary Science Grade 3	ESTIMATED TIME: _____ Year Long _____
CONTENT STANDARD(S) OBJECTIVES	PERFORMANCE STANDARDS (COURSE CONTENT AND STUDENT ACTIVITIES)	ASSESSMENT AND SCORING GUIDE(S) OF CONTENT STANDARD(S)
3.7.4	C. Students will identify major parts necessary for a computer to input and output data. (e.g. keyboard, monitor, printer, mouse) D. Students will use basic computer software, word processing, graphics, presentations, instructional software, apply e-mail, on-line searches)	Computer Lab Compass Smart Board Power Point

INSTRUCTIONAL UNIT: Earth Science Rocks, Soil, Minerals	PLANNED INSTRUCTION (COURSE) Grade 3	ESTIMATED TIME: 3 Weeks
CONTENT STANDARD(S) OBJECTIVES	PERFORMANCE STANDARDS (COURSE CONTENT AND STUDENT ACTIVITIES)	Assessment and Scoring Guides of Content Standards
3.5.4	<p>A. Students will identify the composition of soil as weathered rock and decomposed organic remains.</p> <p>B. Students will identify and sort earth materials to a classification key. (e.g. soil/rock type)</p> <p style="padding-left: 40px;">Igneous Sedimentary Metamorphic</p>	<p>Green Scholastic Theme Bags Already in Grade Level</p> <p>Guided Reading Books</p> <p>Smart Board Activities</p> <p>Drawings</p> <p>Paper/Pencil tests</p> <p>Rocks and Minerals Book by Carson Delossa (Step by Step Science Series)</p> <p>Compass Learning in Labs-Effects on the Shape of the Earth-Science Level 3</p> <p>Bell Ringer</p> <p>Morning Message</p> <p>Reading A-Z</p>

INSTRUCTIONAL UNIT: Earth Science-Environmental Ecology-Agriculture	PLANNED INSTRUCTION (COURSE) Elementary Science Grade Three	ESTIMATED TIME: 2 weeks
CONTENT STANDARD(S) OBJECTIVES	PERFORMANCE STANDARDS (COURSE CONTENT AND STUDENT ACTIVITIES)	ASSESSMENT AND SCORING GUIDE(S) OF CONTENT STANDARD(S)
4.4.4	A. Students will know the importance of agriculture to mankind. Students will explain the influence of agriculture on food, Clothing, shelter, and culture from one area to another. Students will demonstrate and illustrate soil erosion. Students will realize how people depend on agriculture.	Clinton Co. Cooperative Agriculture Extension Office, Route 64 Scholastic Theme Bags-Green for 3 rd grade Paper-Pencil tests Story Writing Teacher Read-Alouds Story Mapping Bell Ringer Morning Message Compass-Ecology Level 3 Science Paragraph Writing Reading A-Z Books Reader's Theatre

INSTRUCTIONAL UNIT: Earth Science-Environment and Ecology ; Plants, Animals, Water, Air, and Pest Control	PLANNED INSTRUCTION (COURSE) Elementary Science Grade 3	ESTIMATED TIME: 3 weeks <hr/>
CONTENT STANDARD(S) OBJECTIVES	PERFORMANCE STANDARDS (COURSE CONTENT AND STUDENT ACTIVITIES)	ASSESSMENT AND SCORING GUIDE(S) OF CONTENT STANDARD(S)
4.2.4	A. Students will explain: air, water, and nutrients cycle. Students will identify plants, animals, water, air, minerals, and fossil fuels as natural resources. Students will know that plants, animals, and humans are dependent on air and water. Students will learn ways of pest control, including sicknesses, pollution and waste.	Pest Control-Book, PSU Agriculture, PA IPM Program Science Fair Guided reading books Drawings Hands-on samples Reading Anthology Unit on Mysteries of the Deep Computer CDs Smart Board Activities Teacher Read-Alouds Charts Paper-Pencil tests Integrated Pest Management text