## **Unit Plans**

Subject : Science Grade: Three
Teacher: Michele Allen Year: 2013-2014

Timeline	Theme / Topic / Concepts / Structures	Dimensions / Focus / Objectives / Learner Expectations	Resources	Instructional Procedures / Methods	Evaluation Techniques
September to November	ROCKS & MINERALS	Students will: demonstrate knowledge of materials that comprise the Earth's crust and demonstrate skill in classifying these materials study soil, learning that different soils have different compositions, and that component materials include rock fragments and remains of living things explore similarities and differences in various kinds of rock, using simple tests and tools	-Edmonton Public Schools Units -Alberta Learning Curriculum Guide -Explorations in Science (Rock Talk, Down to Earth, Rock Solid) -District IMC -Teacher made resources	Modeling Brainstorming Demonstrations Questioning Class discussion Small group conferences Cooperative Learning Student presentations Teacher presentations Role Play Experimentation Observation	Student Products and Portfolios Teacher Observation (groups/ individuals) Anecdotal records Written tests Checklists Oral Presentations Journals Homework Self-evaluation Peer-evaluations Interviews
November to February	BUILDING WITH A VARIETY OF MATERIALS  TESTING MATERIALS & DESIGNS	Students will: use, safely, a variety of tools, techniques and materials in construction activities construct structures, using a variety of materials and designs compare the effectiveness of the various materials and designs for their intended purposes		Journaling/ Reflection Audio-visuals Investigation Written and oral assignments Research Model/chart construction  Continued use throughout the year in all themes.	Participation Experiment Activities/Data collection  Continued use throughout the year in all themes.

February To April	HEARING & SOUND	Students will: describe the nature of sound learn about sound travel by studying what things carry sound learn what happens to sound when it reaches their ears demonstrate methods for producing and controlling sound		
April to June	ANIMAL LIFE CYCLES	Students will: observe the life cycle of one small animal, from it's earliest stage to adulthood compare the life cycle of insects with that of vertebrate animals describe the appearance and life cycles of some common animals, and identify their adaptations to different environments identify requirements for animal care		