Grade 4 Science Curriculum Map and Time Line

Time Frame	Strand	Standard
August	S1: Scientific Inquiry The student demonstrates abilities necessary to do scientific inquiry and develops an understanding about scientific. The student will →	S1a: asks questions about objects, organisms, events, and relationships in the environment. S1b: accesses and uses information from a variety of sources. S1c: plans and conducts explorations and investigations based on the nature of the question. S1d: employs appropriate equipment and tools to systematically gather, record, and analyze data. S1e: uses revised data to construct reasonable explanations and make predictions. S1f: communicates investigations and explanations using scientific language and mathematics.
September /October	S7: Earth and Space Sciences: The student demonstrates a conceptual understanding of Earth materials, objects in the sky, and changes in Earth and sky; that is, the student will →	S7b: describes the formation and movement of clouds and their role in weather.
November-December		S7a: identify and describes specific properties of minerals, soils, and fossils. S7c: observe, records, and describes objects in the sky (e.g., sun, moon, constellations, etc.) in terms of characteristics, location, and movement.

Continued:

Time Frame	Strand	Standard
January-February	S5: Physical Science The student demonstrates a conceptual understanding of matter, motion, and energy; that is, the student →	S5a: sorts, classifies, and describes physical properties of objects and materials. S5b: describes and measures the position and motion of objects relative to other objects, time, and distance. S5c: explores electricity and sound as forms of energy.
March-May	S6: Life Sciences The student demonstrates a conceptual understanding of the characteristics of organisms, their life cycles, and their environments; that is, the student→	S6a: classifies plants and animals in multiple ways according to their characteristics. S6b: explores how organisms clearly resemble their parents. S6c: describes how an organism's behavior is influenced by its environment.

*Strands **S1: Scientific Inquiry, S2: History and Nature of Science, S3: Science in Personal and Social Perspectives**, and **S4: Science and Technology** will be imbedded in the curriculum through out the year. There will be a focus on the Scientific Inquiry during the first three weeks of school.*

Assessments: Assessments will be given to evaluate a student's understanding. Methods of assessments include, but are not limited to; curriculum provided testing materials, quizzes, teacher created assessments, rubric graded projects, oral presentations and others.

Supporting material: Standards are provided by the Department of Defense Education Activity and it is the teacher's responsibility to teach these standards using various, supporting materials. Materials used in the course of study include: text books and ancillary products, teacher generated information/research, use of the school library, internet research, special programs, guest speakers, field trips and other resources deemed necessary by the classroom teacher.