

ANCHORAGE SCHOOL DISTRICT
CURRENT EARTH SYSTEMS ELEMENTARY SCIENCE PROGRAM FRAMEWORK
ADOPTED FEBRUARY 1995

PROCESS EMPHASIS: The **Earth Systems Program** is inquiry-based science which includes the following process skills: observing, classifying, measuring, predicting, inferring, summarizing, communicating, collecting data, analyzing data, drawing conclusions, building models, interpreting evidence and experimenting.

GRADE	FOCUS	LIFE SCIENCE	PHYSICAL SCIENCE	EARTH SCIENCE	INVESTIGATIONS AND APPLICATIONS
K	<i>Characteristics</i>	Life Characteristics Insights: Myself and Others	Properties of Matter Insights: Balls and Ramps	Rocks FOSS: Pebbles, Sand & Silt	Dinosaur Digs (example)
1	<i>Inter-relationships</i>	Alaskan Animals ASD: Alaskan Animals	Comparing Matter NSRC: Balancing and Weighing	Watersheds ASD: The Power of Water	Investigating Insects (example)
2	<i>Cycles</i>	Cycles in Life NSRC: Plant Growth and Development	Time ASD: Time and Measure	Earth Materials NSRC: Soils	Butterflies, Salmon or Birds (example)
3	<i>Changes of Form</i>	Plants ASD: Alaskan Plants	Changes of State Insights: Changes of State	Weather ASD: Weather	Mystery Powders (example)
4	<i>Systems</i>	Life Systems Insights: Bones and Skeletons	Physical Systems FOSS: Variables	Geology ASD: Dynamic Earth	Alaska Sea and River Week (example)
5	<i>Energy Flows</i>	Energy for Life NSRC: Food Chemistry	Mechanical Advantage FOSS: Levers and Pulleys	Energy Sources Insights: Circuits and Pathways adapted	Aviation or NEED Project (example)
6	<i>Scale and Structure</i>	Biosphere NSRC: Ecosystems	Structure and Function Insights: Structures	Astronomy ASD: Astronomy	Outdoor School or Voyage of the Mimi (example)

FOSS = Full Option Science Study

NSRC = National Science Resource Center

ASD = Anchorage School District

Insights Elementary Science Curriculum

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GRADE	FOCUS	LIFE SCIENCE	PHYSICAL SCIENCE	EARTH SCIENCE	INVESTIGATIONS AND APPLICATIONS
K	<i>Characteristics</i>	Life Characteristics Insights: Myself and Others	Properties of Matter Insights: Balls and Ramps FOSS: Wood and Paper (Pilot) FOSS: Fabric (Pilot)	Rocks FOSS: Pebbles, Sand & Silt	Dinosaur Digs (example)
1	<i>Inter-relationships</i>	Alaskan Animals ASD: Alaskan Animals (Revised)	Comparing Matter NSRC: Balancing and Weighing	Watersheds ASD: The Power of Water (Revised)	Investigating Insects (example)
2	<i>Cycles</i>	Cycles in Life NSRC: Plant Growth and Development	Sound Insights: Sound (Pilot Status)	Earth Materials NSRC: Soils	Butterflies, Salmon or Birds (example)
3	<i>Change</i>	Plants ASD: Alaskan Plants (Revised)	Changes NSRC: Changes (Pilot)	Weather ASD: Weather (Revised)	Mystery Powders (example)
4	<i>Systems</i>	Life Systems Insights: Bones and Skeletons	Electrical Systems Insights: Circuits and Pathways	Geology FOSS: Earth Materials	Alaska Sea and River Week or Dynamic Earth (example)
5	<i>Energy Flows</i>	Energy for Life NSRC: Ecosystems	Variables FOSS: Variables (Pilot Status)	Energy Sources ARIES: Exploring Energy	Aviation, Levers & Pulleys or NEED Project (example)
6	<i>Scale and Structure</i>	FOSS: Food & Nutrition Insights: There Is No Away Insights: Human Body Systems NSRC: Microworlds (Pilot Status)	Structure and Function Insights: Structures	Relative Size and Distance ASD: Astronomy (Revised)	Outdoor School or Voyage of the Mimi (example)

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ARIES = Harvard-Smithsonian

NSRC = National Science Resource Center