

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

## ANCHORAGE SCHOOL DISTRICT RECOMMENDED EARTH SYSTEMS ELEMENTARY SCIENCE PROGRAM FRAMEWORK

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>	<b>Life Characteristics</b> Insights: Myself and Others	<b>Properties of Matter</b> Insights: Balls and Ramps	<b>Rocks</b> FOSS: Pebbles, Sand & Silt	Dinosaur Digs (example)
1	<i>Inter-relationships</i>	<b>Alaskan Animals</b> ASD: Alaskan Animals	<b>Comparing Matter</b> NSRC: Balancing and Weighing	<b>Watersheds</b> ASD: The Power of Water	Investigating Insects (example)
2	<i>Cycles</i>	<b>Cycles in Life</b> NSRC: Plant Growth and Development	<b>Time</b> ASD: Time and Measure	<b>Earth Materials</b> NSRC: Soils	Butterflies, Salmon or Birds (example)
3	<i>Changes of Form</i>	<b>Plants</b> ASD: Alaskan Plants	<b>Changes of State</b> Insights: Changes of State	<b>Weather</b> ASD: Weather	Mystery Powders (example)
4	<i>Systems</i>	<b>Life Systems</b> Insights: Bones and Skeletons	<b>Electrical Systems</b> Insights: Circuits and Pathways	<b>Geology</b> FOSS: Earth Materials	Alaska Sea and River Week or Dynamic Earth (example)
5	<i>Energy Flows</i>	<b>Energy for Life</b> NSRC: Ecosystems	<b>Variables</b> FOSS: Variables (Pilot Status)	<b>Energy Sources</b> 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)	<b>Structure and Function</b> Insights: Structures	<b>Relative Size and Distance</b> ASD: Astronomy (Revised)	Outdoor School or Voyage of the Mimi (example)

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NSRC = National Science Resource Center  
ASD = Anchorage School District  
Insights Elementary Science Curriculum  
ARIES = Harvard-Smithsonian