Marine Mammals, Coastal & River Issues
Grade 6 Curriculum
addresses the following Alaska State Teaching Standards

Unit One: The Value of Rivers, Wetlands & the Sea
Activity #1 Community Inventory
Language Arts:
D-2 Evaluating information
Science:
A-14 Living things and their environments
Geography:
A-1 Using maps
A-3 Maps as changing documents
B-3 Cultural characteristics of place
Skills for a Healthy Life:
D-4 Community well-being

Activity #2 Coastal Zone Management Simulation Game
Language Arts:
A-1 Effective writing
D-1 Developing a logical position
Science:
A-14 Living things and their environments
Geography:
A-1 Using maps
A-3 Maps as changing documents

Government:
C-7 Understand the obligations of Alaskans to the land
E-2 Citizens’ responsibilities

Activity #3 Designing a Symbol and Beginning a Journal
Language Arts:
A-4 Writing and speaking with purpose
D-1-A Personal experience and prior knowledge
Arts:
A-1 Participate in the arts
A-4 Demonstrate creativity

Activity #4 Looking into the Future
Language Arts:
B-1 Meaning from written, oral, and visual information
Science:
A-14 Living things and their environments
C-3 Cultural influences
Geography:
A-1 Using maps

Activity #5 Careers
Language Arts:
A-1 Effective writing
A-2 Writing conventions
B-2 Investigations in written materials
Science:
A-14 Living things and their environments
A-15 Using local knowledge

Activity #6 Recreation
Science:
A-14 Living things and their environments
A-15 Using local knowledge
C-3 Cultural influences

Activity #7 Food
Science:
A-12 Biological diversity
A-14 Living things and their environments
A-15 Using local knowledge
Unit Two: Marine Mammals

Activity #1 Five Groups of Marine Mammals

Language Arts:
B-2 Investigations in written materials

Science:
A-12 Biological diversity
A-14 Living things and their environments
B-1 Scientific processes

Activity #2 Name that Whale

Language Arts:
C-2 Project organization

Science:
A-12 Biological diversity

Activity #3 Whale Adaptations

Science:
A-12 Biological diversity
A-14 Living things and their environments

Math:
A-2 Measurement

Arts:
A-1 Participate in the arts

Activity #4 Following the Gray Whale

Science:
A-12 Biological diversity
A-14 Living things and their environments

Math:
A-1 Numeration
A-2 Measurement
A-3 Arithmetic and computation
C-1 Using pictures, graphs, and charts

Activity #5 Cetacean Intelligence & Communication

Science:
A-12 Biological diversity
A-14 Living things and their environments
B-2 Tools of scientific investigation
B-3 Understand that scientific inquiry involves multiple paths
C-2 Knowledge through experimentation
C-5 Collaboration

Activity #6 Whale First Aid

Science:
A-12 Biological diversity
A-14 Living things and their environments
C-3 Cultural influences
D-1,3 Practical applications of scientific knowledge

Activity #7 Whale Populations

Language Arts:
A-1 Effective writing
D-4 Social benefits of science

Science:
A-12 Biological diversity
A-14 Living things and their environments
B-1 Scientific processes
B-2 Tools of scientific investigation
C-5 Collaboration

Math:
A-2 Measurement
E-1 Exploring problems using mathematics

Activity #8 Whaling Then & Now

Science:
A-14 Living things and their environments
C-3 Cultural influences
C-6 Scientific discovery

Geography:
A-1 Using maps

Arts:
A-1 Participate in the arts
A-3 Materials, tools, techniques, and processes
A-5 Collaboration
B-1 Recognize Alaska Native culture & arts
Activity #9 Battle Over the Bowhead
Language Arts:
A-4 Writing and speaking with purpose
A-6 Using visual communication
C-1 Developing a project
C-2 Project organization
D-4 Explain and defend a position

Unit Three: Logging, Fisheries & Wildlife
Activity #1 Logging Practices
Science:
A-14 Living things and their environments
A-15 Using local knowledge
B-2 Tools of scientific investigation
C-3 Cultural influences

Activity #2 Fish Streams & Timber Sales
Science:
A-12 Biological diversity
A-14 Living things and their environments
A-15 Using local knowledge

Geography:
B-6 Making informed decisions about place
C-3 Regional environments

Activity #3 The Deer and Logging Dilemma
Science:
A-12 Biological diversity
A-14 Living things and their environments
A-15 Using local knowledge
B-2 Tools of scientific investigation
B-3 Understand that scientific inquiry involves multiple paths
C-3 Cultural influences

Math:
A-2 Measurement
A-3 Arithmetic and computation
B-3 Using math in real-life situations
C-1 Using pictures, graphs, and charts

Activity #4 Bird Use of Old-Growth Forests
Science:
A-12 Biological diversity
A-14 Living things and their environments

Activity #5 Logging Field Trip
Science:
A-12 Biological diversity
A-14 Living things and their environments
A-15 Using local knowledge
B-3 Understand that scientific inquiry involves multiple paths

Math:
A-3 Arithmetic and computation
B-3 Using math in real-life situations
D-2 Drawing logical conclusions

Activity #6 Logging, Fisheries & Wildlife Debate
Language Arts:
A-1 Effective writing
A-4 Writing and speaking with purpose
D-1 Developing a logical position
D-1-A Personal experience and prior knowledge
D-4 Explain and defend a position

Science:
A-14 Living things and their environments
A-15 Using local knowledge
C-3 Cultural influences

Government:
C-7 Understand the obligations of Alaskans to the land
E-2 Citizens’ responsibilities
Unit Four: Oil & Oil Development

Activity #1 Finding that Oil
Science:
A-14 Living things and their environments
C-3 Cultural influences
C-6 Scientific discovery
D-5 Evaluating scientific solutions
D-6 Using reasoned decisions

Math:
C-1 Using pictures, graphs, and charts

Activity #2 Oil in Your Community

Science:
A-14 Living things and their environments
C-3 Cultural influences
C-5 Collaboration
D-2 Effects of scientific innovations

Activity #3 Oil Spill

Science:
A-14 Living things and their environments
A-15 Using local knowledge
B-1 Scientific processes
C-2 Knowledge through experimentation
D-4 Social benefits of science
D-5 Evaluating scientific solutions

Activity #4 Offshore Drilling

Language Arts:
A-1 Effective writing
A-4 Writing and speaking with purpose
D-1 Developing a logical position
D-4 Explain and defend a position

Science:
A-14 Living things and their environments
B-3 Understand that scientific inquiry involves multiple paths

Government:
E-2 Citizens’ responsibilities

Unit Five: Community Planning Along Our Coasts & Rivers

Activity #1 Energy Sources

Science:
A-4 Observable natural events
B-1 Scientific processes
B-2 Tools of scientific investigation
B-3 Understand that scientific inquiry involves multiple paths
C-2 Knowledge through experimentation
C-3 Cultural influences
D-4 Social benefits of science

Activity #2 Transportation

Science:
A-14 Living things and their environments

Geography:
A-1 Using maps
B-6 Making informed decisions about place

Math:
A-2 Measurement

Activity #3 The Wetlands Gazette

Language Arts:
A-4 Writing and speaking with purpose
C-1 Developing a project
C-3 Group decision-making
D-1-A Personal experience and prior knowledge

Science:
A-12 Biological diversity
A-14 Living things and their environments
A-15 Using local knowledge
C-3 Cultural influences

Activity #4 Recreation

Science:
A-12 Biological diversity
A-14 Living things and their environments
A-15 Using local knowledge
C-3 Cultural influences

Math:
B-3 Using math in real-life situations
C-1 Using pictures, graphs, and charts
Activity #5 Community Issues
Language Arts:
A-2 Writing conventions
A-4 Writing and speaking with purpose
B-2 Investigations in written materials
C-5 Project collaboration
D-2 Evaluating information
E-1 Use a variety of information to understand others
E-4 Recognize different culture’s communication styles

Science:
A-14 Living things and their environments
C-3 Group decision-making

Math:
B-3 Using math in real-life situations
E-2 Practical applications of mathematics

Geography:
B-3 Cultural characteristics of place

Activity #3 Acid Rain & Air Pollution
Science:
A-4 Observable natural events
A-14 Living things and their environments
A-15 Using local knowledge
B-2 Tools of scientific investigation
C-3 Cultural influences
D-4 Social benefits of science

Activity #4 Water in Your Community
Science:
A-4 Observable natural events
A-7 Processes that shape the earth
A-14 Living things and their environments
A-15 Using local knowledge
B-3 Understand that scientific inquiry involves multiple paths
C-3 Cultural influences

Geography:
E-1 Natural resource use
F-3 Resource management

Unit Six: Weather
Activity #1 Weather Forecasting
Science:
A-4 Observable natural events
A-14 Living things and their environments
A-15 Using local knowledge
B-3 Understand that scientific inquiry involves multiple paths

Geography:
A-5 Interpreting geographical patterns

Activity #2 Measuring the Weather
Science:
A-4 Observable natural events
A-14 Living things and their environments
A-15 Using local knowledge
C-2 Knowledge through experimentation
D-1,3 Practical applications of scientific knowledge

Math:
B-3 Using math in real-life situations
C-1 Using pictures, graphs, and charts

Activity #4 Water in Your Community
Science:
A-4 Observable natural events
A-7 Processes that shape the earth
A-14 Living things and their environments
A-15 Using local knowledge
B-3 Understand that scientific inquiry involves multiple paths
C-3 Cultural influences

Geography:
E-1 Natural resource use
F-3 Resource management

Unit Seven: A Review of Sea Week’s Past
Activity #1 Learning Centers
Language Arts:
B-1 Meaning from written, oral, and visual information
E-1 Use a variety of information to understand others

Science:
A-12 Biological diversity
A-14 Living things and their environments
A-15 Using local knowledge

Activity #2 Review Worksheets
Language Arts:
B-1 Meaning from written, oral, and visual information
D-1-A Personal experience and prior knowledge
**Activity #3 Sharing What You Know**

**Language Arts:**
A-4 Writing and speaking with purpose
A-6 Using visual communication
D-1-A Personal experience and prior knowledge

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**Unit Eight: Sea Week Camp**

**Activity #1 Planning Your Camp**

**Science:**
A-15 Using local knowledge

**Activity #2 Scientific Sampling**

**Language Arts:**
D-1-D Analyzing information
D-2 Evaluating information

**Science:**
A-12 Biological diversity
A-14 Living things and their environments
A-15 Using local knowledge
B-1 Scientific processes
B-2 Tools of scientific investigation
B-3 Understand that scientific inquiry involves multiple paths
C-5 Collaboration

**Math:**
A-1 Numeration
A-2 Measurement
A-6 Statistics and data analysis
B-3 Using math in real-life situations
B-4 Developing problem solving strategies
B-5 Checking results
C-1 Using pictures, graphs, and charts
D-2 Drawing logical conclusions

**Activity #3 Safety & First Aid**

**Skills for a Healthy Life:**
A-1 Personal well-being
A-2 Healthy behaviors
A-3 Injury prevention

**Activity #4 Survival**

**Language Arts:**
D-1-A Personal experience and prior knowledge

**Science:**
A-14 Living things and their environments
A-15 Using local knowledge

**Geography:**
E-6 Physical hazards

**Skills for a Healthy Life:**
A-1 Personal well-being
A-2 Healthy behaviors

**Activity #5 The Camp’s Future**

**Science:**
A-14 Living things and their environments
A-15 Using local knowledge

**Geography:**
A-1 Using maps
A-6 Geographical problems and solutions
B-1 Geographic characteristics of place
B-3 Cultural characteristics of place
B-6 Making informed decisions about place

**Government:**
E-2 Citizens’ responsibilities
E-6 Community service
E-7 Problem solving and conflict resolution