

Instructor Sheet

A Cat's Life

Lesson 15

Grade Level(s): Elementary, Middle

Duration: 100-120 minutes

Setting: Indoors or outdoors, use computer to gather information, then make timeline.

Skills: Interpreting & displaying concepts, media construction, public speaking

Subject Areas: Visual arts, environmental science, life science, language arts

Overview: Make a timeline of a panther's life, starting with birth and including the major milestones through death (opening eyes, nursing, leaving mother, mating, having young, etc.) Timeline may be written and decorated with artwork, or oral and explained by students as they go down the line.

Site location(s):

Natural History:

Rearing of Young

Conservation: 1500-1799 (or any of the timelines)

Sunshine State Standards:

Grades 3-5

SC.B.2.2.1 knows that some source of energy is needed for organisms to stay alive and grow.

SC.F.1.2.2 knows how all animals depend on plants.

SC.G.1.2.5 knows that animals eat plants or other animals to acquire the energy they need for survival.

SC.G.2.2.1 knows that all living things must compete for Earth's limited resources; organisms best adapted to compete for the available resources will be successful and pass their adaptations (traits) to their offspring.

SC.G.2.2.2 knows that the size of a population is dependent upon the available resources within its community.

SC.H.3.2.2 knows that data are collected and interpreted in order to explain an event or concept.

LA. A.1.2.1 uses a table of contents, index, headings, captions, illustrations, and major words to anticipate or predict content and purpose of a reading selection.

VA.A.1.2.1 uses and organizes two-dimensional and three-dimensional media, techniques, tools, and processes to produce works of art that are derived from personal experience, observation, or imagination.

VA.A.1.2.2 uses control in handling tools and materials in a safe and responsible manner.

Lesson 15

VA.A.1.2.4 uses good craftsmanship in a variety of two-dimensional and three-dimensional media.

Grades 6-8

SC.F.1.3.7 knows that behavior is a response to the environment and influences growth, development, maintenance and reproduction.

LA.A.1.3.4 uses strategies to clarify meaning, such as rereading, note taking, summarizing, outlining, and writing a grade-level appropriate report.

LA.A.2.3.5 locates, organizes, and interprets written information for a variety of purposes, including classroom research, collaborative decision making, and performing a school or real-world task.

VA.A.1.3.3 understands what makes various organizational elements and principles of design effective and ineffective in the communication of ideas.

VA.B.1.3.2 knows how the qualities and characteristics of art media, techniques, and processes can be used to enhance communication of experiences and ideas.

VA.B.1.3.4 knows and uses the interrelated elements of art and the principles of design to improve the communication of ideas.

The Activity

Pre-planning:

Reserve a computer lab or set up computers in your classroom.

Procedure:

1. Assign computers/teams
2. Have students view timelines under Conservation: 1500-1799 (or other dates)
3. Have students research timeline of major events in life of panther and take notes.
4. Explain grading rubric.
5. Students make a written timeline of a panther's life

OR teacher has students line up and describe details of one event (starting with birth), then the next student gives the next probable timeline event, etc.

Assessment:

Written timeline

1 bonus point for exceptional decoration/artwork on written timelines

4 = Student Timeline is complete, correct, and neat

3 = Student Timeline complete and mostly correct

2 = Student Timeline mostly complete and mostly correct

1 = Student Timeline started, some effort

0 = Little or no participation

Oral timeline

1 bonus point for exceptionally interesting and elaborate information

4 = Students participate fully and explain one stage of a panther's life

2 = Students participate in research, but don't present orally

0 = Little or no participation

