

U.S. Curriculum Correlations by State

Alaska

Cultural Standards

E- Culturally knowledgeable students demonstrate an awareness and appreciation of the relationships and process of interaction of all elements in the world around them.

3. Demonstrate an understanding of the relationship between world view and the way knowledge is formed and used.

Starry Night Lesson Plans

In order of relevance

E2 E3 E1

4. Determine how ideas and concepts from one knowledge system relate to those derived from other knowledge systems.

E1 E2 E3

Grade 6

B1- Concepts of Physical Science

The student demonstrates an understanding of motions, forces, their characteristics, relationships and effects by:

[6] SB4.2 Stating that every object exerts gravitational force on every other object.

C2 B1

D1- Concepts of Earth Science

[6] SD4.1 Contrasting characteristics of planets and stars (i.e., light reflecting, light emitting, orbiting, orbited, composition).

B1 B2 C1 C3 F3 G2

[6] SD4.2 Defining a light year.

G1

Grade 7

B1- Concepts of Physical Science

The student demonstrates an understanding of motions, forces, their characteristics, relationships, and effects by:

[7] SB4.1 Illustrating that unbalanced forces will cause an object to accelerate.

C2

D1- Concepts of Earth Science

The student demonstrates an understanding of the theories regarding the origin and evolution of the Universe by:

[7] SD4.1 Comparing and contrasting characteristics of planets and stars (i.e., light reflecting, light emitting, orbiting, orbited, composition).

B1 B2 C1 C3 F3 G2

[7] SD4.2 Using light-years to describe distances between objects in the Universe.

G1 G2 G3 G4

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Alaska Continued

Grade 8

B1- Concepts of Physical Science

The student demonstrates an understanding of motions, forces, their characteristics, relationships, and effects by:

[8] SB4.1 Demonstrating and explaining circular motion.

D1- Concepts of Earth Science

The student demonstrates an understanding of the theories regarding the origin and evolution of the Universe by:

[8] SD4.1 Creating models of the Solar System illustrating size, location/position, composition, Moons/rings, and conditions.

[8] SD4.2 Comparing the brightness of a star to its distance and size.

F1- Cultural, Social, Personal Perspectives, and Science

The student demonstrates an understanding of the dynamic relationships among scientific, cultural, social, and personal perspectives by:

[8] SF1.1-SF3.1 Describing how local knowledge, culture, and the technologies of various activities (e.g., hunting, fishing, subsistence) influence the development of scientific knowledge.

Starry Night Lesson Plans

In order of relevance

C2

B1 B2 C1 C3 D1 D2 D3

G2 G1

E1 E2 E3