

Topic: Science First Grade Patterns and Cycles

Days: 47

Subject(s):

Grade(s):

Key Learning: **Natural patterns affect our environment.**

Unit Essential Question(s):

**What natural patterns can be seen in nature and
how do they affect our environment?**



Concept:

**Patterns of the motion of the sun,
moon, and stars in the sky can be
observed, described, and predicted.**

Concept:

**At night one can see the light
coming from many stars with the
naked eye, but telescopes make it
possible to see many more, and to
observe them and the moon and
planets in greater detail.**

Concept:

**Seasonal patterns of sunrise and
sunset can be observed, described,
and predicted.**



Lesson Essential Question(s):

How can we obtain information and share
observations to determine simple patterns of
natural objects in the sky? (A)

How can we analyze and share observations
about sunrise and sunset to identify and describe
seasonal changes?

Lesson Essential Question(s):

How can we obtain information and
communicate that there are tools that allow
people to see more objects in the sky and in
greater detail? (A)

Lesson Essential Question(s):

How can we obtain information and share
observations to determine simple patterns of
natural objects in the sky? (A)

How can we analyze and share observations
about sunrise and sunset to identify and describe
seasonal changes? (A)



Vocabulary:

patterns, natural objects, sunset, sunrise

Vocabulary:

telescope

Vocabulary:

natural objects, sunrise, sunset, seasonal
changes, meteorologist, data

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Subject(s):

Grade(s):

Concept:

Some events on Earth occur in cycles, like day and night, and others, have a beginning and an end, like a volcanic eruption.

Concept:

Some events, like an earthquake, happen very quickly; others, such as the formation of the Grand Canyon, occur very slowly, over a time period much longer than one we can observe.



Lesson Essential Question(s):

How can we record and share observations about how some events have cycles; whereas, other events have a clear beginning and end? (A)

Lesson Essential Question(s):

How can we investigate and compare how some natural events occur quickly, and other natural events occur slowly? (A)



Vocabulary:

cycle, day, night, beginning, end

Vocabulary:

natural event

Additional Information:

Attached Document(s):

Vocab Report for Topic: Science First Grade Patterns and Cycles
Subject(s):

Days: 47
Grade(s):

Concept: Patterns of the motion of the sun, moon, and stars in the sky can be observed, described, and predicted.

patterns -
natural objects -
sunset -
sunrise -

Concept: At night one can see the light coming from many stars with the naked eye, but telescopes make it possible to see many more, and to observe them and the moon and planets in greater detail.

telescope -

Concept: Seasonal patterns of sunrise and sunset can be observed, described, and predicted.

natural objects -
sunrise -
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seasonal changes -
meteorologist -
data -

Concept: Some events on Earth occur in cycles, like day and night, and others, have a beginning and an end, like a volcanic eruption.

cycle -
day -
night -
beginning -
end -

Concept: Some events, like an earthquake, happen very quickly; others, such as the formation of the Grand Canyon, occur very slowly, over a time period much longer than one we can observe.

natural event -