Storytelling through Nature Photography

Program Description - Students of all ages will learn the various principles and techniques of storytelling through the medium of photography, specifically nature photography. They will be able to develop a story outline, understand how to document observations through photography, and organize the photos in a way that tells an audience a story that enables the understanding of place, human impact, and wildlife/ecosystem health.

STEELS Standards Addressed by Grade Level:

K - 2

- 3.1.K.A Life Science - Use observations to describe patterns of what plants and animals (including humans) need to survive
- 3.1.1.C Life Science - Make observations to construct an evidence-based account that young plants and animals are like, but not exactly like, their parents
- 3.1.2.C Life Science - Make observations of plants and animals to compare the diversity of life in different habitats.
- 3.2.2.A Physical Science - Conduct an investigation to describe and classify different kinds of materials by their observable properties.
- 3.2.K.C Physical Science - Make observations to determine the effect of sunlight on Earth's surface
- 3.3.1.B Earth and Space Science - Make observations at different times of the year to relate the amount of daylight to time of year.
- 3.3.K.A Earth and Space Science - Use and share observations of local weather conditions to describe patterns over time.
- 3.3.K.E Earth and Space Science - Communicate solutions that will reduce the impact of humans on land, water, air, and other living things in the local environment
- 3.5.K-2.A Technology & Engineering - Identify and use everyday symbols
- 3.5.K-2.D Technology & Engineering - Explain ways that technology helps with everyday tasks
- 3.5.K-2.F Technology & Engineering - Investigate the use of technology in the home and community
- 3.5.K-2.AA Technology & Engineering - Demonstrate that creating can be done by anyone
- 3.5.K-2.BB Technology & Engineering - Compare the natural and human-made world

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- 3.1.3.A Life Science - Develop models to describe that organisms have unique and diverse life cycles
- 3.1.3.H Life Science - Make a claim supported by evidence about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.

- 3.2.4.B Physical Science - Make and Communicate observations to provide evidence that energy can be transferred from place to place by sound, light, heat, and electricity
- 3.2.5.G Physical Science - Use models to describe that energy in animal's food was once energy from the sun
- 3.3.4.B Earth and Space Science - Make observations to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation
- 3.3.3.A Earth and Space Science - Represent data in displays to describe typical weather conditions expected during a particular season
- 3.3.5.F Earth and Space Science - Generate and design possible solutions to a current environmental issue, threat, or concern
- 3.4.3-5.A Env. Literacy & Sustainability - Analyze how living organisms, including humans, affect the environment in which they live, and how their environment impacts them
- 3.4.3-5.C Env. Literacy & Sustainability - Examine ways you influence your environment and community by collecting and displaying data
- 3.5.3-5.FF Technology & Engineering - Compare how things found in nature differ from things that are human-made, noting differences and similarities

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- 3.1.6-6.E Life Science - Construct a scientific explanation based on evidence for how environmental and genetic factors influence growth of organisms
- 3.1.6-8.J Life Science - Construct an explanation that predicts patterns of interactions among organisms across ecosystems
- 3.4.6-8.E Env. Literacy & Sustainability - Collect, analyze, and interpret environmental data to describe a local environment
- 3.4.6-8.I Env. Literacy & Sustainability - Construct an explanation that describes regional environmental conditions and their implications on environmental justice and social equity.
- 3.5.6-8.F Technology & Engineering - Analyze examples of technologies that have changed the way people think interact, live, and communicate

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- 3.1.9-12.N Life Science - Design, evaluate, and refine a solution for reducing human impacts on the environment and biodiversity
- 3.3.9-12H Earth and Space Science - Analyze data to make the claim that one change to Earth's surface can create feedback that causes changes to other systems
- 3.3.9-12.R Earth and Space Science - Evaluate or refine a technological solution that reduces the impact of human activities on natural systems
- 3.4.9-12.E Env. Literacy & Sustainability - Plan and conduct an investigation utilizing environmental data about a local environmental issue
- 3.5.9-12.F Technology & Engineering - Evaluate a technological innovation that arose from society's unique need or want

National Geographic Society Standards

Scales - Local & Regional
Perspectives:

- **Spatial** - Where things happen on earth (Where is it? Why is it there?)
- **Economic** - The allocation, distribution, and consumption of resources
- **Political** - The policies, laws, and viewpoints that shape an environment
- **Cultural** - The ideas and social behaviors of individuals and communities
- **Historical** - Where are things happening on Earth in time and chronology
- **Geological** - They physical characteristics of Earth's surface and substances
- **Ecological** - How life forms interact with the physical environment