

Standards and Glossary

Standards:

Topographic Modeling of Madidi National Park

- Next Generation Science Standards
 - MS-ESS2-6- Develop and use a model to describe how unequal heating and rotation of the Earth cause patterns of atmospheric and oceanic circulation that determine regional climates.
 - DCI: ESS2.D- Weather and climate
 - SEP 2- Developing and Using Models
- National Council for the Social Studies
 - Standard III- People, Places, & Environments
 - ▶ III.b- Interpret, use, and distinguish various representations of the earth, such as maps, globes, and photographs
 - ▶ III.c- Use appropriate resources, data sources, and geographic tools such as atlases, databases, grid systems, charts, graphs, and maps to generate, manipulate, and interpret information

Jaguar Camera Trap Identification

- Next Generation Science Standards
 - MS-LS2-1- Analyze and interpret data to provide evidence for the effects of resource availability on organisms and populations of organisms in an ecosystem.
 - MS-LS2-3- Develop a model to describe the cycling of matter and flow of energy among living and nonliving parts of an ecosystem
 - SEP 4- Analyzing and interpreting data
 - DCI: LS2.A- Interdependent relationships in ecosystems
 - DCI: LS2.B- Cycle of matter and energy transfer in ecosystems
 - DCI: LS2.C- Ecosystem dynamics, functioning, and resilience

Ancient Icons

- National Council for the Social Studies
 - Standard I – Culture
 - ▶ I.c- Describe ways in which language, stories, folktales, music, and artistic creations serve as expressions of culture and influence behavior of people living in a particular culture

Ancient Icons Cont.

- o Standard II- Time, Continuity, & Change
 - ▶ II.d- Identify and use various sources for reconstructing the past, such as documents, letters, diaries, maps, textbooks, photos, and others
 - ▶ II.e- Demonstrate an understanding that people in different times and places view the world differently
- National Core Arts Standards
 - o VA:Cr1.2.7a- Develop criteria to guide making a work of art or design to meet an identified goal
 - o VA:Cr2.3.8a- Select, organize, and design images and words to make visually clear and compelling presentations
- Common Core
 - o CCSS.ELA-Literacy.W.6-8.3- Write narratives to develop real or imagined experiences or events using effective technique, relevant descriptive details, and well-structured event sequences

Exploring Your Identity: What Makes You Who You Are?

- National Council for the Social Studies
 - o Standard I – Culture
 - ▶ I.e- Give examples and describe the importance of cultural unity and diversity within and across groups
 - o Standard II- Time, Continuity, & Change
 - ▶ II.e- Demonstrate an understanding that people in different times and places view the world differently
 - o Standard IV- Individual Development & Identity
 - ▶ IV.a- Describe personal changes over time, such as those related to physical development and personal interests
 - ▶ IV.b- Describe personal connections to place- especially place as associated with immediate surroundings
 - ▶ IV.e - Identify and describe ways family, groups, and community influence the individual's daily life and personal choices
 - ▶ IV.f – Explore factors that contribute to ones' personal identity such as interests, capabilities, and perceptions
 - o Standard VIII- Science, Technology, & Society
 - ▶ VIII.c- Describe instances in which changes in values, beliefs, and attitudes have resulted from new scientific and technological knowledge, such as conservation of resources and awareness of chemicals harmful to live and the environment

Exploring Your Identity Cont.

- National Core Arts Standards
 - o VA:Cr1.2.7a- Develop criteria to guide making a work of art or design to meet an identified goal
 - o VA:Cr2.3.8a- Select, organize, and design images and words to make visually clear and compelling presentations

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Glossary:

Altitude	The vertical distance between an object and the earth's surface (usually sea level or land)
Amazonian Habitat	Habitats ranging from 190 – 750 meters above sea level
Andean	Habitats ranging 3,000 – 6,000 meters above sea level.
Anthropomorphic	Giving human characteristics to nonhuman things
Apex predator	A predator at the top of a food chain that is not preyed upon by any other animal
Biodiversity	Biological diversity in an environment as indicated by numbers of different species of plants and animals
Chavín de Huantar	An sacred archeological site for the Andean religious world
Contour Lines	Lines that show changes in the elevation of land
Deity	A god or goddess
Duality	Having two different or opposing parts (example: good and evil; fire and rain)
Elevation	The height of a geographic location above sea level
Elusive	Hard to find or capture
Fertility	The ability to produce young (plants or animals)
Fauna	The animals found in a particular habitat or ecosystem
Flora	The plant life found in a particular habitat or ecosystem
Habitat Fragmentation	When parts of a habitat are destroyed, leaving behind smaller unconnected areas

Iconography	The imagery or symbolism of a work of art, or a body of art
Ideological	Based on or relating to a system of ideas and ideals
Indigenous Peoples	Ethnic groups who are the original inhabitants of a given region
Infrared light	A type of radiant energy that's invisible to human eyes but that we can feel as heat
Microhabitat	A local set of atmospheric conditions that differ from the climate of the surrounding area.
Monolith	A large single upright block of stone, especially one shaped into or serving as a pillar or monument
Neotropics	Geographic region comprising Central and South America
Omnivore	An animal that eats plants and other animals
Poaching	The illegal hunting or capturing of wild animals
Stewardship	The responsible overseeing and protection of something considered worth caring for and preserving
Tacana	One of Bolivia's Indigenous Peoples
Topography	The study of the shape of Earth's surface and its physical characteristics, such as mountains, valleys, canyons, and other landforms
Trophic cascade	An ecological phenomenon triggered by the addition or removal of top predators in an ecosystem. This causes populations of other predators and prey in a food chain to fluctuate and usually results in dramatic changes to an ecosystem
Yungueño Habitat	Habitats ranging from 2,000 – 2,750 meters above sea level