



ROCK EAGLE 4-H CENTER

NIGHT HIKE/SENSORY AWARENESS

VOCABULARY

ROCK EAGLE'S ENVIRONMENTAL EDUCATION FIELD STUDY

Adaptation: a behavioral or genetic alteration or response in an organism that facilitates survival and reproduction in response to surroundings

Binocular vision: having both eyes facing the front aiding in depth perception and good for judging distance

Bioluminescence: light produced by living organisms

Cones: parts of the retina that interpret color

Constellation: group of stars that form a recognizable pattern in the sky

Crepuscular: animals most active at twilight (dusk/dawn)

Diurnal: animals most active during daylight hours

Echolocation: reflected sound emitted from an animal (for example: bat/dolphin) to locate objects

Jacobson's Organ: small opening in the upper mouth of some reptiles allowing the scent molecules picked up by the tongue to be interpreted

Nocturnal: creatures most active at night

Rods: parts of the retina that interpret shades of black and white

Triangulation: a system used by animals to interpret the source of a sound

Making the best better!



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NIGHT HIKE & SENSORY AWARENESS PRE-POST TRIP ACTIVITIES



GRADES 1-5

Play-doh Creation

Use Play-doh to build a creature with special adaptations for living at night. Discuss why each characteristic is beneficial to the animal

Animal Charades

Have students act out behaviors beneficial to day/night/twilight survival

Sky Chart Creation

Have the students make their own constellation from a sky chart. They can include a story/myth to go along with their constellation

Grades 6-8

Face your Fear

Each student picks a fear they may have. They will name it, study it, write their feelings about it and try to conquer it. Discuss what fear is and where does fear come from.

Life Strategies

5 min presentation on one animal life strategies (behavior/physical) for survival at night (ex: coyote-big ears, bat-echolocation, etc.)

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