

Survival Lesson Plan

ESSENTIAL QUESTION: What are the most important components for human survival?

STANDARD:

SC.6.E.7.8- Describe ways humans protect themselves from hazardous weather and sun exposure

OBJECTIVES: The students will

- Work in teams to construct a shelter
- Create solution(s) for varied weather conditions

SAFETY:

- Wear closed-toed shoes
- Do not pick plants
- Do not raise any large branch overhead
- No horseplay
- Stay with your team
- Stay in designated area

MATERIALS NEEDED FOR EXTENSIONS:

- Fire Starter
- Survival Game Scenario
- White boards/markers

ENGAGE: What do all humans need to survive? (Food, Water, Oxygen, Shelter/Space) Discuss constant body temperature and how it protects humans. How long can you survive? (Oxygen= 3 min., Shelter = 3 hours, Water= 3 days, Food = 3 weeks)

Vocabulary:

Shelter- a place giving temporary protection from bad weather or danger

Severe Storms- High wind gusts/heavy rain (hurricane, blizzard etc)

Sun exposure- Too much sun that damages skin (UV) causing sunburn, heat exhaustion or heat stroke

EXPLORE: Students will hold discussion on human basic needs. Students will think of things used for protection from storms/sun. Students observe surroundings for resource use.

EXPLAIN: Explain that students will need to use creative thinking and cooperative team skills to build a shelter in FL that will protect their team from the natural weather elements. Students will be given parameters for shelter building (tarp/ropes).

ELABORATE: Students can apply problem solving skills and transfer learned knowledge to a new climate zone (ex. Winter conditions in Alaska). Students can develop a fresh water collection system for survival or problem solve ways to generate a heat source.

EVALUATE: Students can defend the structural choice for their shelter and how it protects them from extreme weather and sun exposure

EXTENSIONS:

- Survival Dilemma Game Cards
- Fire Building
- Discuss how severe weather affects animals and animal homes
- Discuss other weather phenomena in other parts of the world (ex. Volcanoes)

HOT QUESTIONS:

- ✓ How does your family prepare for severe weather? (Tornado, Hurricane, Thunderstorm, Flood)
- ✓ What extra tools or belongings do you feel are necessary for your survival?
- ✓ What other resources could be used to build a shelter?
- ✓ What are some decisions you make every day to help your survival?
- ✓ How do our human adaptations help us survive?
- ✓ What behaviors might animals exhibit when severe weather approaches?