

Meeting the New York State Standards through...

Nassau BOCES Outdoor and Environmental Education Survival Program

- ❖ Math, Science, and Technology
- ❖ Health, Physical Education, & Home Economics
- ❖ Social Studies/(Geography/NYS History)
- ❖ English Language Arts

According to the New York State Standards, students need to know ...

- An organism needs to regulate its internal environment for survival (hypothermia).
- The dangers of overexertion, hypothermia, and heat exhaustion in outdoor activities.
- The survival of an organism depends on its ability to sense and respond to its external environment.
- Organisms require a constant input of energy to survive.
- The effects of environmental changes on humans.
- How living things including humans depend on the living and nonliving environment for their survival.
- Observe how the environment affects human activity (weather, climate, presence of water).
- How people use natural resources.

In our Survival program, we can ...

- Discuss the things needed for survival and how to make the best use of natural resources to meet basic needs. Have students predict how long they could live without air, shelter, water and food and compare predictions. Compare humans' needs to other animals' needs.
- Compare today's "basic" needs to the "basic" needs of another century and discuss how well we would "survive" in another century.
- Discuss the dangers of overexertion and of overexposure to heat and practice efficient use and conservation of our body's energy while carrying out survival "activities" such as shelter building. Discuss the causes and effects of hypothermia, how to treat it and its early signs.
- Encourage environmental conservation and responsibility, while manipulating the environment for survival purposes. Create tools to meet a survival need. Observe the conditions and materials necessary for fire to burn. Discuss uses of fire.
- Discuss how and where to find and/or collect water considering factors in evaluating water for drinking. Build a solar still. Discuss hygiene and potential for sickness in a survival situation
- Observe the abiotic and biotic factors that will positively and negatively affect the placement and structure of a survival shelter. Work together to plan and construct a shelter.
- Discuss good practices/preparation for traveling and recreation in the outdoors to avoid getting lost, stranded, or threatened by hypothermia. Review the use of landmarks and signaling techniques (mirror, fire, whistle).
- Make literature connections by relating the discussions and activities of our survival program to novels such as Hatchet and Island of the Blue Dolphin.

For more information about providing these experiences for your students at the BOCES Outdoor Education Centers at Caumsett State Historic Park and Brookville or other local areas, please call 516-396-2264.

OEE/Standards/NYS Standards for Survival 2013