



GBOC ACTIVITY OPTIONS

CURRICULUM LINKS

INITIATIVE & COOPERATIVE GAMES

- ➔ Pop Can Pick Up
- ➔ Rolling Ball
- ➔ Shrinking World
- ➔ Closed Eye Count
- ➔ Poison Pool
- ➔ Human Knot
- ➔ And others...

DAILY ACTIVITIES:

- ➔ High Ropes
- ➔ Low Ropes
- ➔ Canoeing
- ➔ Kayaking
- ➔ Orienteering
- ➔ Land Games / Sports
- ➔ Outdoor Skills
- ➔ Colour Team Relay
- ➔ And more...

EVENING ACTIVITIES:

- ➔ Ecoville, EcoVenture

GUIDANCE & CAREER EDUCATION, CHOICES INTO ACTION:

- Demonstrate skills and knowledge necessary to manage personal behaviour (e.g. self-control, the role of emotions, anger management).
- Explain and demonstrate how skills (e.g. conflict resolution, peer helping and leadership skills) are used to interact with others in diverse settings.
- Apply knowledge of personal interests, strengths, abilities and accomplishments to planning and decision making.
- Demonstrate the ability to accept and respond to the direction of teachers and administrators.

HEALTH & PHYSICAL EDUCATION, ACTIVE PARTICIPATION:

- Apply living skills (e.g. basic problem-solving, decision-making, goal-setting and conflict-resolution techniques) in physical activities (e.g. outdoor pursuits)
- Transfer appropriate interpersonal skills to new physical activities.
- Participate vigorously in all aspects of the program.
- Participate fairly in games or activities.
- Demonstrate respectful behaviour towards the feelings and ideas of others.

SCIENCE & TECHNOLOGY, LIFE SYSTEMS:

- Demonstrate an understanding of the effects of human activities and technological innovations, as well as the effects of changes that take place naturally, on the sustainability of ecosystems.
- Investigate the impact of the use of technology on the environment.
- Identify the importance of plants in the Canadian Economy (eg in farming, forestry) and describe the impact of industrial plants on the environment.



GLEN BERNARD OUTDOOR CENTRE
Program & Curriculum Links, Grades 7 & 8

→ Survival

- Investigate some of the ways in which humans have altered the landscape to meet their needs (e.g. farming, urban development, roads) and assess the environmental and economic consequences.
- Identify populations of organisms within an ecosystem and the factors that contribute to their survival in that ecosystem.
- Identify and explain the roles of producers, consumers and decomposers in food chains and their effects on the environment.

EARTH EDUCATION:

- Connection Inspection Game
- Interpretive Trail Hike & Games
- Eco-Footprints & The Secret Life of Stuff
- Pond Study

SCIENCE & TECHNOLOGY, INTERACTION WITHIN ECOSYSTEMS:

- Demonstrate an understanding of the interactions of plants, animals, fungi and micro-organisms in an ecosystem.
- Investigate the interactions in an ecosystem and identify factors that affect the balance among the components of an ecosystem.
- Identify living (biotic) and non-living (abiotic) elements in an ecosystem.
- Interpret food webs that show the transfer of energy among several food chains, and evaluate the effects of the elimination or weakening of any part of the food web.
- Investigate the bio-chemical costs and benefits of recycling and waste-disposal industries.

- Hot Air Balloon Regatta
- Campfires: Types of Heat & Energy
- Stranded! Using Science to Survive
- Exploring Alternative Energy Sources (solar, composting)

SCIENCE & TECHNOLOGY, ENERGY & CONTROL: HEAT

- Identify, through experimentation, ways in which heat changes substances and describe how heat is transferred.
- Compare the motions of particles in a solid, a liquid and a gas using the particle theory.
- Explain how heat is transmitted by conduction, convection and radiation in solids, liquids and gases.
- Describe how various surfaces absorb radiant heat.
- Describe the effect of heat on the motion of particles and explain how changes of state occur.
- Identify energy as a significant cost in the manufacturing and use of products or systems.



GLEN BERNARD OUTDOOR CENTRE
Program & Curriculum Links, Grades 7 & 8

NIGHT ACTIVITIES

- ➔ Astronomy

JOURNAL ACTIVITIES

- ➔ Personal Bank Accounts
- ➔ Paradigms

SCIENCE & TECHNOLOGY, ENERGY & CONTROL: OPTICS

- Describe ways in which different sources of visible light and the properties of light, both natural and artificial, are used by humans for different purposes.
- Investigate how objects or media refract, transmit or absorb light (e.g. stars are seen when transmitted light enters the eye).
- Identify ways in which the characteristics of mirrors and convex and concave lenses determine their use in optical instruments (e.g. in a camera, telescope or binoculars).
- Explain the function and purpose of combinations of multiple lenses or lenses and mirrors in optical systems (e.g. the source and one or more reflectors or lenses in telescopes).

GUIDANCE & CAREER EDUCATION, CHOICES INTO ACTION:

- Demonstrate an understanding of and apply learning skills and strategies to personal learning.
- Recognize personal learning preferences.
- Use goal-setting skills appropriately to revise goals in response to changing circumstances.