

Pictou County Forest School - Grade 10 Pre-Visit Lesson Plans
Science: Weather Dynamics

Activity: Hardest Place to Survive

Specific Curriculum Outcomes:

- **STSE: 118-2, 117-6, 114-6** identify and report the impact of accurate weather forecasting from the personal to the global point of view
- **Skills: 214-10, 331-5, 212-1** identify questions and analyze meteorological data for a given time span and predict future weather conditions, using appropriate technologies

Materials:

Survivorman episode: Kalahari Desert

<https://www.youtube.com/watch?v=Noe5Qs2D5tM>

Survivorman episode: Alaska

<https://www.youtube.com/watch?v=oOhpc0129po>

Top Camping Items

<https://www.rei.com/learn/expert-advice/family-camping-checklist.html>

World's Best Places to Survive in the Wilderness

<https://survival-kompass.de/en/the-best-places-to-survive-in-the-wilderness/#:~:text=To%20survive%20in%20the%20wilderness%2C%20the%20best%20place%20is%20a,should%20not%20be%20too%20extreme.>

Context:

Have a discussion around the essentials that sustain life (e.g., oxygen, water, food, shelter, fire). Discuss how these things are achieved in our lives. Talk with the students about being put in a survival situation in Nova Scotia (pick a season). How difficult is it to survive in Pictou County with regards to finding access to clean drinking water; finding food; creating shelter etc? Contrast Pictou County to a desert or arctic environment. What are the similarities? What are the differences? Which one is harder to survive?

Activity:

Have students develop a set of criteria that helps them choose a location that is really hard to achieve short to long term survival.

Criteria can focus on lots of different variables, with each student placing importance on different factors (e.g., yearly days of rain; average temperature; access to fresh water via lakes and rivers etc.)

Students can make a poster or Powerpoint presentation highlighting what they think would be the hardest place to survive.

- E.g., "I think the top of Mount Everest would be the hardest place to survive because, although you could eat snow for water consumption, there is no way to get extra food or firewood to keep warm."