

Ecosystems & Impacts – a Virtual Field Study

Indoor Activity

Curriculum: Biology 20, Science 20, Wellness



In the fall of 2020, teachers from Nelson Mandela High School in Calgary filmed a field study in partnership with Alberta Parks in Fish Creek Provincial Park to aid in online learning for Bio/Science 20 students. The video created walks through all elements of the Fish Creek Provincial Park Ecosystems and Impacts Field Study. The video aligns with the Bio-Sci 20 Virtual Student Workbook and Bio-Sci 20 Virtual Study Resource Package developed by the teachers from Nelson Mandela High School.

Materials:

- [Ecosystems & Impacts virtual field study video](#) (53:02)
- Bio-Sci 20 Virtual Study [Resource Package](#)

Instructions:

- Review or download the virtual study resource package. All required information is within this resource.
- Note: There are three small errors in the narration of the video:
 - At approximately the 39:50 mark, the reference to “Subnivean” should be “Subterranean”.
 - At approximately the 46:50 mark, the reference to ‘spruce’ should actually be “aspen”.
 - At Approximately the 47:37 mark, the reference to ant structure and colour should be read head – red thorax – black abdomen.

Acknowledgements:

Thank you to the teachers from Nelson Mandela High School for sharing this project and resources they created with Alberta Parks and offering them to assist teachers across the province.