Extra Resources

BC Fossil Management Office Resources:

- BC Fossil Management Website
- Report a Fossil
- Guidelines for Recreational Fossil Collection
- Guidelines for Recreational Fossil Collection - Summary

Fossil Morphology Information:

Numbers indicate corresponding fossil specimen in the kit. The suggested links show labeled diagrams with which to compare the fossil specimens. Enjoy exploring these links!

- **#1:** What are Trilobites? – Sam Gon III
- **#1:** Trilobita – Paleontological Research Association
- **#2:** Class Gastropoda – Paleontological Research Association
- **#3:** Brachiopoda – Paleontological Research Association
- **#4:** Fossil Shark Teeth – Florida Museum of Natural History
- **#5:** Rugose corals (Rugosa) – Paleontological Research Association
- **#8 & #9:** Ammonoidea – Paleontological Research Association
- **#10:** Class Bivalvia – Paleontological Research Association

Supplemental Material:

- The Burgess Shale – Royal Ontario Museum
    - This is an interactive website that focuses on the Burgess Shale. It includes a "virtual submarine" that allows viewers to get a glimpse of what life was like in the Cambrian Sea through videos featuring organisms that have been reconstructed and animated. There is also a fossil gallery, "for educators" section, and other resources.
- The Digital Encyclopedia of Ancient Life – Paleontological Research Association
    - This is an open access textbook about fossils and the history of life on Earth that is continuously being developed. It includes a wide range of topics such as the fossil record, the geological time scale, evolution, paleoecology, and others.

- Mountain Dinosaur of BC – Royal BC Museum
    - This webpage has information and activities related to *Ferrisaurus sustutensis*, the first unique dinosaur species from British Columbia. There are videos, 3D fossil models, a colouring sheet, and more.
- EPICC Virtual Field Experiences – University of California Museum of Paleontology
    - This is an interactive website that allows viewers to virtually visit paleontological sites along the Pacific coast of the U.S. The "for educators" section has lesson plans, teaching materials, and student materials that correspond with these locations. The material has been developed with secondary students in mind and would likely need adapting to suit younger grades.
- The Story of Earth: An Observational Guide – Daniel Hauptvogel and Virginia Sisson
    - This is an open access university lab manual. Chapters 6 and 7 have great information on fossils and preservation types, and chapter 4 touches on trace fossils. It includes practice questions that can be adapted for older students. It is also a good resource for teachers to gain additional knowledge of fossils.
- Fossils: Windows to the Past – UC Berkeley student, Mani K
    - This is an older website created as a university students project. The web design is outdated, however it contains excellent information on the different types of fossil preservation. This is a great resource for teachers to look at to understand fossil preservation and can help teachers assist students with the fossil preservation worksheet contained in this teaching kit.
- The Paleobiology Database
    - This database can be used to look up fossil observations. Try typing "British Columbia" into the "state/province" field and searching. From there you will find a list of fossil observations which you can click on and find information to fill out the "Label and Record a Fossil Worksheet." It is recommended that you use this resource with older grades only as navigating the site would likely be too difficult for younger grades.
    - If one of your students is having a hard time getting started on the "Label and Record a Fossil Worksheet", show them one of these observations by

clicking on the link or searching by the collection number: 32790; 43833; 52587; 64146; 74495; 125177; 167938; 198461

Recommended Books:

- West Coast Fossils: A Guide to the Ancient Life of Vancouver Island – by Rolf Ludvigsen & Graham Beard.

Ask your school librarian to search for other grade-appropriate sources (e.g., the book Fossils for Kids by Ashley Hall is good for ages 6 to 8).

Where to Learn About Fossils in B.C.:

British Columbia has many museums and parks you can visit to learn more about fossils. Click on the links and Google search these sites and organisations to learn more about them. This is a non-exhaustive list, and these are not the only places you can see fossils in B.C. and Canada. Do your own research to see if there are any sites near you!

- Royal BC Museum (Victoria)
- Beaty Biodiversity Museum (Vancouver)
- Pacific Museum of Earth (Vancouver)
- Qualicum Beach Museum
- Courtenay and District Museum and Paleontology Centre
- Princeton and District Museum
- Cranbrook History Centre
- Tumbler Ridge Museum
- Tumbler Ridge Geopark
- McAbee Fossil Beds Heritage Site
- Driftwood Canyon Provincial Park
- Strathcona Provincial Park
- Monkman Provincial Park
- Kootenay National Park
- Yoho National Park
- Burgess Shale Geoscience Foundation
- Royal Tyrrell Museum (Tyrrell, Alberta)
- Royal Ontario Museum – Dawn of Life Exhibit (Toronto, Ontario)