Big Idea *Earth and its climate have changed over geological time.*

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| **Science 7 – Geological Time and Evolution DLRC Resources November 2018** |
| 500 NEL GR7 | Nelson science 7 [kit]: biology and chemistry. (Series: Nelson science) [Burnaby, B.C.]: assembled by Burnaby School District, 2018.Kit includes: 14 identical student books (157 pages: colour illustrations; 28 cm.), 2 teacher's guides (1 copy each of 2 titles). Grades: 7. "The Nelson science series is one of a suite of Nelson resources designed for the BC curriculum. Nelson science fully meets the goals and rationale of the curriculum and addresses all the learning standards and big ideas." Evolution: "In this unit, students construct their own knowledge of evolution through inquiry-based activities." |
| 560 FOC | Fossils [kit]: clues to the past. [Burnaby, B.C.] : assembled by Burnaby School District, 2016.Kit contains the following titles: Fossils : 300 fossilized species / Carl Mehling -- How whales walked into the sea / Faith McNulty -- The pebble in my pocket : a history of our Earth / Meredith Hooper, Chris Coady -- Living fossils : clues to the past / Caroline Arnold -- Everything you need to know about dinosaurs and other prehistoric creatures / John Woodward -- Eyewitness prehistoric life / William Lindsay -- Plant fossils / Natalie Hyde -- Dinosaur fossils / Natalie Hyde -- Animal fossils / Natalie Hyde -- The rise of mammals / Matthew Rake -- The last days of the dinosaurs / Matthew Rake -- Dinosaurs rule / Matthew Rake -- The dawn of planet Earth / Matthew Rake -- Dinosaur bones and what they tell us / Rob Colson. Grades: 7. Fossils reveal the history of planet Earth, and the plants and animals that populated it millions of years before humans. |
| 560 FOS | Fossils [kit]. [Burnaby, B.C.: assembled by Burnaby School District], 2001.Kit includes the following title: Rocks & fossils / Chris and Helen Pellant. Grades: 4 5 6 7 8 9 10 11 12. This kit contains samples of different fossil plants and animals. |
| 562 REP | Replica fossils [kit]. Northbrook, Ill.: Hubbard Scientific, c1967.Book: Stereogram book of fossils: photographs of invertebrate fossils in 3 dimensions / Philip A. Sandberg. Grades: 4 5 6 7 8 9 10. This kit contains replicas of invertebrate fossils, along with a book of fossil photographs. |
| 576.8 EVO | Evolution [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2016.Kit contains the following titles: Who was Charles Darwin? / Deborah Hopkinson -- What is the theory of evolution? / Robert Walker -- The mystery of life: how nothing became everything / Jan Paul Schutten -- How have animals evolved and adapted? / Jennifer A. Swanson -- Evolution / Sally Morgan -- Eyewitness evolution / Linda Gamlin -- The story of life: a first book about evolution / Catherine Barr and Steve Williams -- What is evolution? / Louise Spilsbury -- Darwin and the Galapagos / John Livingston and Lister Sinclair -- Shell, beak, tusk: shared traits and the wonders of adaptation / Bridget Heos -- When planet Earth was new / James Gladstone -- Evolution: how life adapts to a changing environment / Carla Mooney. Grades: 6 7. The books in this kit introduce students to the theory of evolution and describe the development of humans and animals through Earth's history. |
| 591.38 EVO | Evolutionary milestones [kit]: animal kingdom I. Niagara Falls, Ont.: RealBug/Ed Speldy East Company Ltd., c2012.Grades: 7 8 9 10 11 12. This kit includes 12 animal specimens, from simple multicellular organisms to mammals, each encased in a clear resin block. The materials will help students examine and understand the important milestones in the evolution of the animal body. |
| 930.1 EAR | Early humans [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2016.Kit contains the following titles: You are stardust / Elin Kelsey -- Human fossils / Natalie Hyde -- The best book of early people / Margaret Hynes -- The Leakeys : uncovering the origins of humankind / Margaret Poynter -- First painter / Kathryn Lasky -- Lucy and her times / Pascal Pieg -- The Neanderthal & skeleton book / Stephen Cumbaa & Kathlyn Stewart -- Human migration : investigate the global journey of humankind / Judy Dodge Cummings -- Early humans -- Children of time : evolution and the human story / Anne H. Weaver -- Evolution : the human story / Dr. Alice Roberts -- Quennu and the cave bear : a prehistoric tale / Marie Day -- What do we know about prehistoric people? / Mike Corbishley. Magazine: National Geographic, November 2015. Grades: 7. This kit contains nonfiction books to help students understand human evolution and the stages of development from early to modern human beings. Also includes a recent issue of National Geographic and one fiction title. |
| DVD 560 FOS | Fossils [videorecording]. (Series: Bill Nye, the science guy). Elk Grove Village, Ill.: Distributed by Disney Educational Productions, c2005.Grades: 4 5 6 7. Bill Nye talks about the many kinds of fossils and what can be learned from them about the relationships between creatures. |
| DVD 576.8 EVL | Evolution [videorecording]. Silver Spring, MD: Discovery Education;, c2005.Host, Bill Nye. "This program, hosted by Bill Nye, showcases the significant scientific discoveries that have led to our current understanding of evolution. The DVD is divided into five parts that examine: 1) the asteroid theory of dinosaur extinction; 2) the origin of life and recent work on geothermal vent ecosystems; 3) Linnean classification and the Burgess Shale fossils; 4) Darwin's voyage and his Theory of Natural Selection; and 5) human ancestry, focusing on the fossil discoveries of Lucy, the Laetoli footprints, and the Toumai skull. The seven-page teacher's guide includes a video index, pre-and post-screening questions, glossary, lesson plans, and links to online support materials. Also suitable for Biology 11 and Earth Science 11. For additional information, see the listing in this catalogue for: Greatest Discoveries with Bill Nye. Note: Segment 4 contains a brief historical re-enactment of surgery without anaesthetic. Also, as the content focuses on evolution, some information may challenge personal beliefs."--ERAC. |
| DVD 576.8 EVO | Evolution [videorecording]. (Series: Bill Nye, the science guy). Elk Grove Village, Ill.: Distributed by Disney Educational Productions, 2009.Grades: 4 5 6 7. Discusses evolution as the way plants and animals have changed and developed over millions of years. Covers genes, DNA and natural selection among other topics. Stresses how man is changing the environment faster than most living things can adapt. |
| SPF 576.8 EVO | L'évolution [kit]. [assembled by Burnaby School District, 2016.Kit contains the following titles: Burnaby, B.C.] : Charles Darwin / Jean-Baptiste de Panafieu (1 copy) -- Terre: la vie d'une planète / Mike Goldsmith (2 copies) -- La grande aventure de l’évolution: une histoire d'aujourd'hui / Jean-Baptiste de Panafieu (2 copies) -- L'évolution / Sally Morgan (6 copies) -- Les fossiles ont la vie dure! / Martial Caroff (1 copy). Grades: 7 (French Immersion). The books in this French-language kit introduce students to the theory of evolution and describe humans and animals through Earth's history. |
| SPF 930.1 ORI | Les origines de l'homme [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2016.Kit contains the following titles: Les origines de l'homme / Érick Seindandre (2 copies) -- La préhistoire des hommes / Jean-Baptiste de Panafieu (2 copies) -- Lascaux: Chauvet-Pont-d'Arc et autres grottes ornées / Stéphanie Redoulès (4 copies) -- La préhistoire / Christine Sagnier (6 copies) -- La préhistoire / Romaine Pigeaud (6 copies). DVD: L'homme de Néandertal (26 min.: sound, colour; 4 3/4 in.). Grades: 7 (French Immersion). This French-language kit contains nonfiction books to help students understand human evolution and the stages of development from early to modern human beings. One title includes a DVD. |
| V 551.7 GEO | Geological history [videorecording]. Wynnewood, PA: Schlessinger Media, c2000.Grades: 5 6 7 8. "The geological history of Earth covers billions of years! In Geological History, students will examine a time line of Earth, tracking its violent beginnings and ever-changing face. Discover the four major segments of geologic time (the Precambrian and the Paleozoic, Mesozoic and Cenozoic eras), and learn about the plant and animal life that developed during each era. A journey under the sea shows how geologists study the layers of rock that lie deep under the ocean floor, while a fun, hands-on investigation demonstrates how geologists can "read" unusual formations in rock layers."--Publisher's website. |
| V 576.82 EVI | Evidence for evolution. Burlington, NC: Carolina Biological Supply Co., c1987.The record in the rocks -- Evidence from living things (homologous and analogous structures, convergent and divergent evolution, vestigial structures, comparative embryology, protein analysis, geographical distribution and animal behaviour) -- The theory of evolution -- Variations and evolution. Barry Paine. This video is a general introduction to Darwin's theory of evolution and the evidence supporting it. |