Big Idea *Wind, water, and ice change the shape of the land.*

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| **Science 3 Landforms and Erosion DLRC Resources February 2019** | |
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| 550 SHA | Shaping the Earth [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2016. Kit contains the following titles: Icebergs, ice caps, and glaciers / Allan Fowler -- Earth's landforms and bodies of water / Natalie Hyde -- Earthquakes, eruptions, and other events that change Earth / Natalie Hyde -- Protecting Earth's surface / Natalie Hyde -- How do wind and water change Earth? / Natalie Hyde -- Examining erosion / Joelle Riley -- How earthquakes shape the Earth / Aaron Carr and Megan Cuthbert -- How volcanoes shape the Earth / Megan Cuthbert and Jared Siemens -- How wind shapes the Earth / Megan Cuthbert and Katie Gillespie -- How water shapes the Earth / Jared Siemens -- How mountains are made / Kathleen Weidner Zoehfeld. Grades: 2 3 4. The books in this kit examine the forces that shape the Earth, and the ways in which the Earth withstands and adapts to these forces. |
| 551 SHA | Shaping Earth's surface [kit]: National Geographic theme sets. Washington, D.C: National Geographic School Publishing, c2005. This kit contains the following titles: Ice / Nash Kramer (8 copies) -- Earthquakes and volcanoes / Nash Kramer (8 copies) -- Wind / Nash Kramer (8 copies) -- Water / Nash Kramer (8 copies). Teacher's guide: Shaping Earth's surface: teacher's guide: science. Grades: 3 4 5 6. "The Theme Sets program provides differentiated resources for teachers to meet the diverse needs of their students. Each Theme Set provides four books crafted to match the wide range of reading levels within each classroom. All books provide the same core concepts but within different contexts and at different reading levels."--Teacher's guide. |
| 551.302 GRA | Grand Canyon [kit]. [Burnaby, B.C.: assembled by Burnaby School District], 2014. This kit contains the following titles: The Grand Canyon / Jeffrey Zuehlke -- Erosion: changing Earth's surface / Robin Koontz -- Erosion / Virginia Castleman. Includes a portion of the teacher's guide Picture-perfect science lessons: using children's books to guide inquiry, grades 3-6 / Karen Ansberry, Emily Morgan. Grades: 3 4 5 6. Picture-perfect science integrates reading comprehension and content knowledge in different areas of science. This program uses picture books and activities to reinforce the concepts of inquiry-based learning for students and teachers. In this unit, "Learners explore through a checkpoint lab simulation how weathering and erosion have contributed to the formation of the Grand Canyon." --Page 265 of teacher's guide. |
| 551.41 HOW | How landforms change [kit]: exploring Earth's crust. New York: Scholastic, c1995. This kit contains the following titles: ScienceMats: how landforms change: exploring Earth's crust (1 copy) -- How landforms change: the riddle of the rhino cast: video guide (1 copy) -- Earth alive! / Sandra Markle (1 copy) -- Volcano: the eruption and healing of Mount St. Helens / Patricia Lauber (1 copy) -- How landforms change: exploring Earth's crust [a student map] (8 copies). VHS: How landforms change: the riddle of the rhino cast (1 copy). Teacher's guide: How landforms change: exploring Earth's crust [a teacher's map] (1 copy). Grades: 1 2 3 4 5 6 7. The main focus of this kit is the dynamics of the structures of Earth's crust. Sub-concepts include: how all landforms are found on the outermost of the Earth's four layers; how the movement within Earth's crust builds and changes landforms; and how physical and chemical weathering change landforms. |
| 551.41 INT KIT1 | Introducing landforms. Kit 1 [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2018.  Kit contains the following items: Canada's natural wonders / Joanne Richter (1 copy) -- Waterfalls / Rebecca Pettiford (1 copy) -- Volcanoes / Rebecca Pettiford (1 copy) -- Rivers / Rebecca Pettiford (1 copy) -- Mountains / Rebecca Pettiford (1 copy) -- Caves / Rebecca Pettiford (1 copy) -- Canyons / Rebecca Pettiford (1 copy) -- What shapes the land? / Bobbie Kalman (1 copy) -- Earth's rivers / Bobbie Kalman (1 copy) -- Earth's coasts / Bobbie Kalman (1 copy) -- Earth's mountains / Bobbie Kalman (1 copy) -- Introducing landforms / Bobbie Kalman and Kelley MacAulay (2 copies). Grades: 2 3 4. The books in this kit explore a variety of landforms found in Canada and across the planet. Students can discover features such as mountains, rivers, and coastlines, and understand how they are formed. |
| 551.41 INT KIT2 | Introducing landforms. Kit 2 [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2018.  Kit contains the following items: Valleys / Ellen Labrecque (1 copy) -- Mountains / Chris Oxlade (1 copy) -- Caves / Ellen Labrecque (1 copy) -- Islands / Ellen Labrecque (1 copy) -- Erosion : changing Earth's surface / Robin Koontz (1 copy) -- Introducing landforms / Bobbie Kalman and Kelley MacAulay (1 copy) -- Valleys / Patricia Hutchison (1 copy) -- Deserts / Laura Perdew (1 copy) -- Canyons / Sonja Olson (1 copy) -- Islands / Laura Perdew (1 copy) -- Plains / Jenna Capelle (1 copy) -- Plateaus / Jenna Capelle (1 copy) -- Caves / Sonja Olson (1 copy) -- What are landforms? / Bobbie Kalman (2 copies) -- Mountains / Martha London (1 copy). Grades: 2 3 4. The books in this kit explore a variety of landforms found in Canada and across the planet. Students can discover features such as valleys, mountains, and caves, and understand how they are formed. |
| 551.48 OUR | Our blue planet [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2017. This kit contains the following titles: Earth's landforms and bodies of water / Natalie Hyde -- All the water in the world / George Ella Lyon. Includes a portion of the teacher's guide Picture-perfect STEM lessons, K-2: using children's books to inspire STEM learning / Emily Morgan and Karen Ansberry. Grades: K 1 2. Picture-perfect science integrates reading comprehension and content knowledge in different areas of science. This program uses picture books and activities to reinforce the concepts of inquiry-based learning for students and teachers. In this unit, "students identify where both liquid and solid water (ice) are found on Earth."--Page 289 of teacher's guide. |
| BB BAC | Bacon, Ron. Wind: [oversize]. New York, NY;: Scholastic, c1984. Through rhyme, two-line stanzas, and colourful illustrations, this book captures the movement of wind as it lifts kites into the sky, raises whitecaps on the sea, and simply blows rubbish across a backyard. |
| DVD 550 CLO | A closer look at Earth [videorecording]. 2007 ed. El Dorado Hills, Ca. 100% Educational Videos/SchoolVideos;, c2004. Narrators: Liz Jackson, JD Rudometkin. From above and below the surface, students take a closer look at what makes the third planet from the sun so special. They learn to read clues to earth's history in eras, plates, and core structures. They witness the forces that constantly change the surface features, like weathering, erosion and volcanic activity. They see what our planet is made of. Spectacular NASA footage and lively animation will peak students' curiosity -- Container. |
| DVD 551.302 ERO | Erosion [videorecording]. (Series: Bill Nye, the science guy). Elk Grove Village, IL: Disney Educational Productions, c2004.  Grades: 4 5 6 7. "The planet looks a lot different than it did when it formed four and a half billion years ago. In Erosion, Bill shows students how the process of erosion can make slow, almost invisible modifications or sudden drastic alterations to the landscape."--Container. |
| ELL 551.31 ICE | Ice on Earth [kit]. [Burnaby, B.C.] : [assembled by Burnaby School District], 2012. Ice on Earth / Nicolas Brasch. -- Markham, ON: Scholastic Canada Ltd., c2012. Audience: Intermediate ELL, Level 1. "Earth has lots of ice: icebergs, ice sheets, and sea ice. Take a look at the different kinds of ice on Earth." --Back cover. The Fast Track series is designed to help struggling readers and English language learners improve literacy, using materials at appropriate reading and interest levels. The information is provided in a variety of formats, such as report, narrative, description and discussion, which students can use as models for their own writing. |
| SPF 551.3 TER | La Terre se transforme [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2018. Kit contains the following titles: La Terre se transforme / Julie Haydon (6 copies) -- Les cours d'eau / Allan Fowler (2 copies) -- Les cours d'eau / Jane Manners (4 copies) -- Les mouvements de la Terre / Lucy Floyd (2 copies) -- Le sable / Margaret Clyne et Rachel Griffiths (4 copies) -- Minidictionnaire des termes géographiques / Margaret Lysecki et Jon Murray (2 copies). Grades: 2 3 (French Immersion). The books in this French-language kit describe the changing of the Earth's surface, through weather and erosion as well as processes taking place deep underground. |
| V 551.1 OUR | Our changing Earth [videorecording]. Bohemia, N.Y.: Rainbow Educational Video, 1992. Narration, Richard Cassell. This video is designed to help young students appreciate that the Earth is a planet characterized by continuous change. It shows that the continents were once in very different locations. Throughout the program graphics and animation clarify key points. Covers all the key forces of change in the earth's crust including erosion, weathering and plate tectonics. Includes footage of the 1989 California earthquake and various volcanic eruptions. Simple experiments are also demonstrated. |