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

|  |  |
| --- | --- |
| **Science 7 - Climate Change DLRC Resources February 2019** | |
|  | |
| 333.72 MAK | Making sustainable choices [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2017. Kit contains the following titles: Why we live where we live / Kira Vermond -- Your water footprint: the shocking facts about how much water we use to make everyday products / Stephen Leahy -- Why should I bother about the planet? / Susan Meredith -- You are the Earth / David Suzuki and Kathy Vanderlinden -- Not your typical book about the environment / Elin Kelsey -- Be the change: a Grandfather Gandhi story / Arun Gandhi and Bethany Hegedus -- This is the Earth / Diane Z. Shore and Jessica Alexander -- Brilliant! : shining a light on sustainable energy / Michelle Mulder -- Pocket change : pitching in for a better world / Michelle Mulder -- Take shelter : at home around the world / Nikki Tate & Dani Tate-Stratton -- Trash talk : moving toward a zero-waste world / Michelle Mulder -- A fair deal : shopping for social justice / Kari Jones -- Deep roots : how trees sustain our planet / Nikki Tate -- Every last drop : bringing clean water home / Michelle Mulder -- Stewardship / Anita Yasuda -- Thank you, Earth : a love letter to our planet / April Pulley Sayre -- You are stardust / Elin Kelsey. Posters: Watersheds of Canada = Bassins versants du Canada -- World of rivers. Grades: 5 6 7. The books in this kit offer insights into how human behaviour is affecting our environment, and provide examples and suggestions for sustainability efforts that may help to reduce the harmful impacts on the Earth's natural resources. |
| 363.73874 CLI | Climate change [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2016. Kit contains the following titles: Climate change / Basher (2 copies) -- 12 things to know about climate change / Jamie Kallio (1 copy) -- What happens when an ice cap melts? / Angela Royston (1 copy) -- Earth's climate change : carbon dioxide overload / James Bow -- Understanding climate change / Jeff De La Rosa (1 copy) -- Living with climate change / Will Adams (1 copy) -- Weather and climate change / David Dreier (1 copy) -- Wildlife and climate change / Edward Ricciuti (1 copy) -- Food, water, and climate change / Edward Ricciuti (1 copy) -- Habitats and climate change / Edward Ricciuti (1 copy) -- Natural cycles and climate change / Daniel Kenis (1 copy) -- Oceans and climate change : flooding, climate change and our new world / David Dreier (1 copy) -- What if the polar ice caps melted? / Katherine Friedman -- Buried sunlight: how fossil fuels have changed the Earth / Molly Bang & Penny Chisholm (1 copy) -- Global warming (1 copy) -- Rising seas / Keltie Thomas (1 copy). Grades: 7. The books in this kit discuss climate change, its causes and effects on the Earth. |
| 500 NLS GR7 | Nelson science 7 [kit]: physics and Earth/space. (Series: Nelson science) [Burnaby, B.C.] : assembled by Burnaby School District, 2018.  Contains: 14 identical student books (125 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." Climate change: "In this unit, students inquire into climate change. They construct meaning about climate and its relationship to weather. They learn how both long- and short-term natural changes on Earth affect Earth's energy balance and its climate."--Page 96 of student book. |
| 550 UND | Understanding Earth's cycles [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2016. Kit contains the following titles: Investigating the water cycle / Candice Ransom (1 copy) -- Investigating the carbon cycle / Mary Lindeen (1 copy) -- Investigating the rock cycle / Mary Lindeen (1 copy) -- Studying soil / Sally M. Walker (1 copy) -- Uncovering Earth's crust / Conrad J. Storad (1 copy) -- Natural cycles and climate change / Daniel Kenis (2 copies) -- The nitrogen cycle / Diane Dakers (1 copy) -- Earth's cycles / Diane Dakers (1 copy) -- The carbon cycle / Diane Dakers (1 copy). Grades: 4 5 6 7. The books in this kit investigate a variety of Earth's natural cycles, including the carbon cycle and the rock cycle, and other geophysical properties of the Earth, as well as climate change, and its impact on these natural cycles. |
| BB 363.73874 DRE | Drew, David, 1947 Jul. 7-. Earth in danger: [oversize]. Melbourne: Thomas Nelson Australia;, 1990. This book examines the reasons for the Earth's climatic changes and raises topical environmental issues such as the greenhouse effect and the "hole" in the ozone layer. |
| DVD 363.73 CLI | The climate change show [videorecording] = : Une présentation sur les changements climatiques. Sudbury, ON: Science North, c2004. Narrated by Rick Mercer; narrateur: Bruno Landry. Outlines the serious and contemporary challenge of climate change in a fun and humourous way. The show is hosted by an animated sheep wearing rubber boots. He takes us into the past, present and future of the world's climate and how it affects life on Earth. Discusses the Earth's formation millions of years ago and how global gases were distributed to allow life to form. Fast-forwarding to the present, the sheep talks to us about our current lifestyle and how it has an impact on the entire planet. The focus is not just on our negative practices, but on the positive steps we are taking to minimize our impact on the planet. |
| DVD 363.73874 CLI | Climate change and our forests [videorecording]: a British Columbia intermediate elementary teacher's resource. [Vancouver, BC]: Forest Innovation Investment/Council of Forest Industries, [2009]. Resource kit includes: lesson plan, activity sheets, posters, narrated slide show on DVD, teacher background information, glossary, curriculum links, and a link to an interactive website. Grades: 5 6 7. Learn how climate change is affecting our forests and how our forests and the wood products we produce from our forests hold the key to mitigating the effects of climate change. Students will have fun calculating how environmentally friendly their school is and calculating their own homes carbon footprint. |
| DVD 363.73874 GLO | Global climate change [videorecording]: Earth's atmosphere heats up. Classroom ed. DVD. Elk Grove Village, IL: Disney Educational Productions, c2005. This DVD also features scene selection, printable educator's guide, web links to additional resources, and clips correlated to activities in the educator's guide. "Find out how scientists measure climate change, see how carbon dioxide affects the temperature of Earth's atmosphere, and hear about the role of fossil fuels. It's all part of Bill Nye's in-depth look at the possible causes of global warming."─DVD container. |
| DVD 363.73874 GRE | The greenhouse effect [videorecording]: climate change and global warming. [Toronto, Ont.] : Distribution Access[distributor], [2007?]. Narration, Cath Leslie. What exactly are greenhouse gases? Are they really causing climate change? Global warming has suddenly become the hottest environmental issue, and this program clearly explains the science of greenhouse effect and the evidence that we are causing climate change. The DVD contains an advanced version for senior students, with in-depth analysis of greenhouse gases and their effects. In addition there are fascinating extras including ice core research in Antarctica, how warming threatens coral reefs, and how carbon capture and storage work. |
| DVD 551.5 CLI | Climates [videorecording]. Classroom ed. Elk Grove Village, Ill.: Disney Educational Productions;, 2008. Hosted by Bill Nye. Grades: 4 5 6 7. Bill Nye explains how the various climates are created and how they, in turn, affect the Earth. |
| ELL 363.73874 CLI | Climate change [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2015. Kit includes the following titles: Climate change. [Level] A -- Climate change. [Level] B -- Climate change. [Level] C. Grades: Secondary ELL. Level 2. "The Global Issues series consists of books at three reading levels covering 12 of the most important geographic and environmental issues of our time; informational text for social studies and language arts classes; high-interest topics and dramatic photography; three reading levels (on level, below level, and above level) to reach every student. According to most scientists, Earth’s atmosphere has warmed [significantly] in the past 100 years. The result has been melting glaciers, rising sea levels, and more extreme weather events. Some people say that current climate change is part of the natural cycle of changes on Earth. Many scientists, however, think that Earth’s climate is changing because of increased greenhouse gases in the atmosphere. Climate Change examines how countries around the world are taking steps, such as conservation, to lessen the effects of climate change."--Publisher's website. |
| SPF 363.73874 CHA | Le changement climatique [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2016.  Kit contains the following titles: Le changement climatique: une nouvelle ère sur la Terre / Yves Sciama (2 copies) -- Les catastrophes climatiques / Sarah Levete (2 copies) -- Les changements climatiques / John Woodward (2 copies) -- Le climat / Georges Festerman (6 copies) -- Climats / Edward Close (6 copies) -- Les climats / Frances Chan (2 copies). Grades: 7 (French Immersion). The books in this French-language kit discuss climate change, its causes and effects on the Earth. |
| SPI 363.73874 CLI | Climate change [kit]. [Burnaby, B.C.] : assembled by Burnaby School District, 2017. Kit contains the following title: River of salmon peoples. Teacher's guide: Science first peoples teacher resource guide, grades 5-9. Grades: 5 6 7 8 9. "These learning resources are guided by the recognition of ways of learning inherent in First Nations' world views. While each First Nation has its own unique identity, values and practices, there are commonly held understandings of how we interact and learn about the world."--Resource guide introduction. This complete unit includes resources about climate change and its effect on First Nations lands and traditions. The materials and activities provide everything needed to create comprehensive lessons. |
| TR 904.5 PAT | Patten, Kristin, 1973-. Not so natural disasters: a teaching unit on the links between natural disasters and climate change, environmental degradation and global inequality. Vancouver: CoDevelopment Canada, c2002. Section one: Natural disasters and their consequences -- Section two: What makes people vulnerable to disasters? -- Section three: Human-induced climate change -- Section four: Exploring solutions -- Section five: Taking action. Audience: Professional. Grades: 8 9 10 11 12. This teaching unit consists of five sections: it begins with an introduction to natural disasters, flows through causes and solutions, and ends with ideas and tools for action. Throughout this resource, voices of disaster survivors, real case studies, and project examples are provided to help students draw an empathetic connection with disaster victims as real people--not just part of the statistics we hear on the news. --Overview. |