

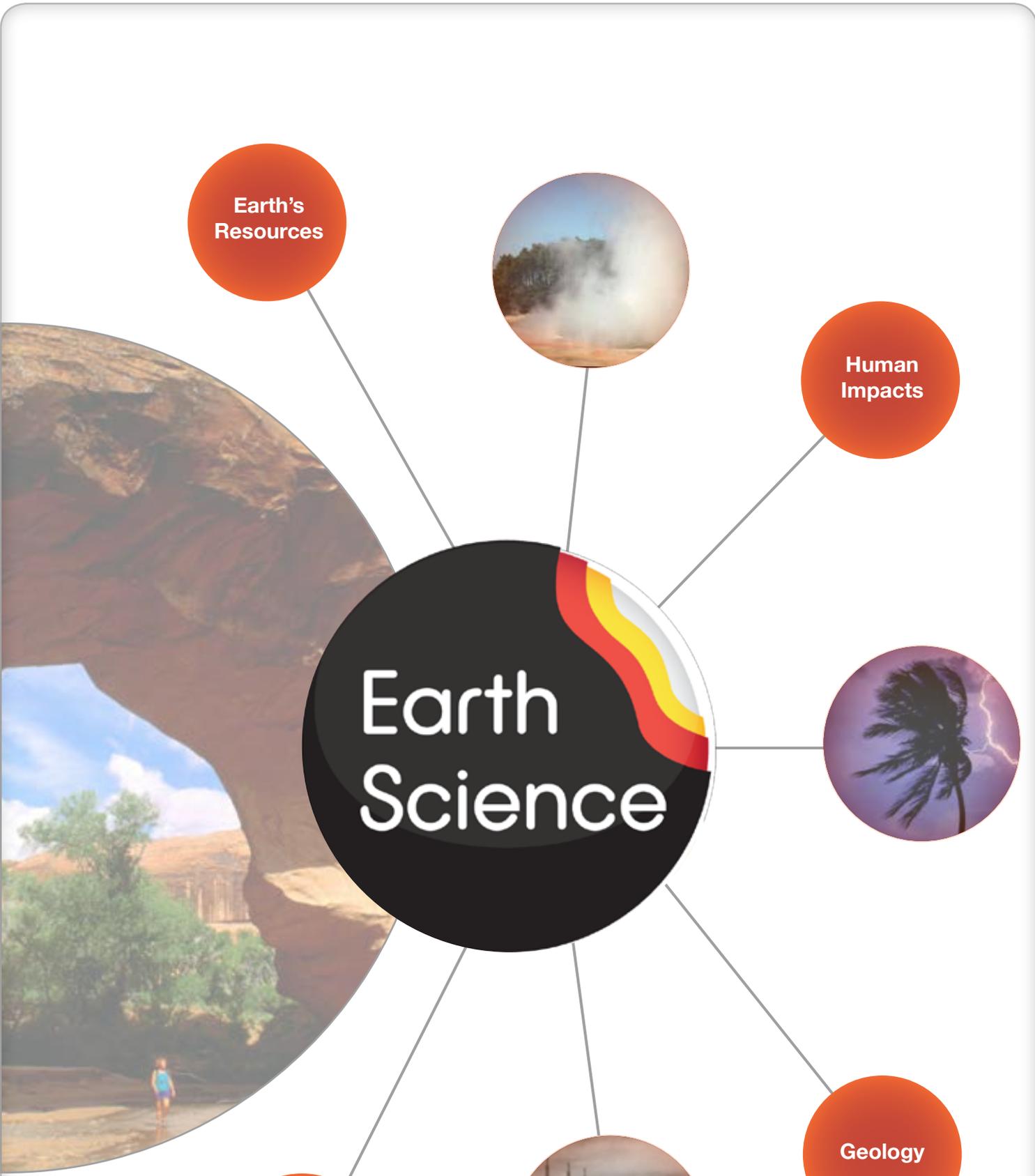


Film List

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Earth's Resources



Human Impacts



Earth Science

Geology



Weather

Non-renewable Energy

Fossil Fuels: Formation	How the fossil fuels we use today were formed over millions of years.
Fossil Fuels: Use	Why and when finite fossil fuels will be used up.
The Carbon Cycle	Learn how the constant biochemical exchange of carbon is vital to life on Earth.
Oil Shocks	What causes dramatic shifts in oil prices?
Electricity: Supply and Demand	Discover the difficult balancing act to meet energy needs.
Electricity: The Costs	Low electricity prices encourage higher consumption – but what is the true cost?
Frontier Oil Exploration	How far will we go to find oil?

Renewable Energy

Solar Power	Can we capture the Sun's energy?
Wind Power	Why don't we use wind power more?
Biofuels	Are biofuels a green alternative to petrol and diesel?
Palm Oil: Biofuel of the Future?	Discover the positive and negative impacts of palm oil biodiesel.
Geothermal Power	How can we harness the heat produced deep within our planet?
The Wind Power Debate	An introduction to the pros and cons of wind farms.

Future of Energy Resources

Nuclear Power	Is this powerful energy resource worth the risks and controversy that come with it?
Making a Star On Earth	Is large-scale nuclear fusion possible?
Eco-Transport	What will the future car run on – electricity, biofuel or hydrogen?
Chernobyl Disaster	Discover what happened in the world's worst nuclear power plant disaster.
Nuclear Waste	Find out why we can't just throw nuclear waste in the bin.

Water as a Resource

Hydropower	Find out how to capture the power of water.
Water As a Resource	Examine the causes and effects of water shortages.
Building the Hoover Dam	Discover how and why the Hoover Dam was built.
Bottled Water: The True Cost	Explore the monetary and environmental costs of bottling water.
Marine Renewables	How can we harness the power of the sea?

“*...there is so much information out there. I don't have time... collating bits of information... With Twig films, it's exactly what I need. I know I won't have to edit it. It's there. I use it. Simple. Done.*”



Earth's Structure

Structure of the Earth	See the hidden layers deep beneath the Earth's crust.
Fold Mountains: Formation	How did mountain ranges like the Alps and the Himalayas form?
Fold Mountains: Uses	What can humans use the steep, rocky terrain of fold mountains for?
How Did the - Grand Canyon Form?	How was the Grand Canyon formed, and what does it tell us about the past?
How Hot Is Earth's Core?	We can't go to the Earth's core – so how do we know how hot it is?
How Did the Continents Form?	How did early land masses change and converge to form the continents we know today?
Land Formations	An introduction to the geological forces which sculpt our landscape.
FactPack: Mountains	How tall are the tallest mountains?

Earthquakes

What Is an Earthquake?	What causes earthquakes?
Plate Tectonics	How the Earth's moving plates cause earthquakes, volcanoes and tidal waves.
Tsunami	Discover the most destructive type of wave on the planet.
Living on the Edge	How can cities be protected from the effects of earthquakes?
Predicting Earthquakes	Can we predict earthquakes?
Earthquakes: LEDC Response	As an LEDC, how did Haiti respond to the devastating 2010 earthquake?
Earthquakes: MEDC Response	As an MEDC, how did Japan respond to the devastating 2011 earthquake and tsunami?
Santorini: Looking for Atlantis	Could the story of Atlantis be more than just a myth?

Volcanoes

What is a Volcano?	What is a volcano and what role does lava play in its construction?
Predicting Volcanic Eruptions?	Can we tell when a volcano is about to erupt?
Yellowstone: Supervolcano	What secret is hidden in Yellowstone National Park?
Danger: Volcanic Ash	A first hand account of the dangers of flying through a volcanic ash cloud.
The Last Day of Pompeii	A dramatic re-enactment of the fateful hours after the eruption of Mt. Vesuvius in 1st century AD.
Kilauea: The Island Maker	Discover the world's most active volcano.
Volcanoes: LEDC Response	As an LEDC, how did the Democratic Republic of the Congo respond to the 2002 eruption of Mt. Nyiragongo?
Volcanoes: MEDC Response	As an MEDC, how did the United States of America respond to the 1980 eruption of Mount St Helens?
FactPack: Extreme Eruptions	Extreme volcanoes from around the world that could pose a danger to humans.

Earth's Rocks

Rock Cycles	Nothing stands still on Earth, not even rocks.
Rock Types	How are different rocks formed?
Earthly Treasures: Gold	Why is gold revered as a precious metal?
Earthly Treasures: Diamonds	What makes diamonds so valuable?
Earthly Treasures: Precious Gemstones	How are emeralds, rubies and sapphires formed?
Limestone: Features	Limestone is one of the most commonly found rocks on Earth and it has many unique features.
Limestone: Uses	Formed over millions of years, limestone has many forms and uses.
Quarrying: Impacts	Quarries are vital for extracting rock, but what are their impacts on the environment?
Quarrying: Managing Damage	How do we manage the negative impacts of quarrying?

River Erosion

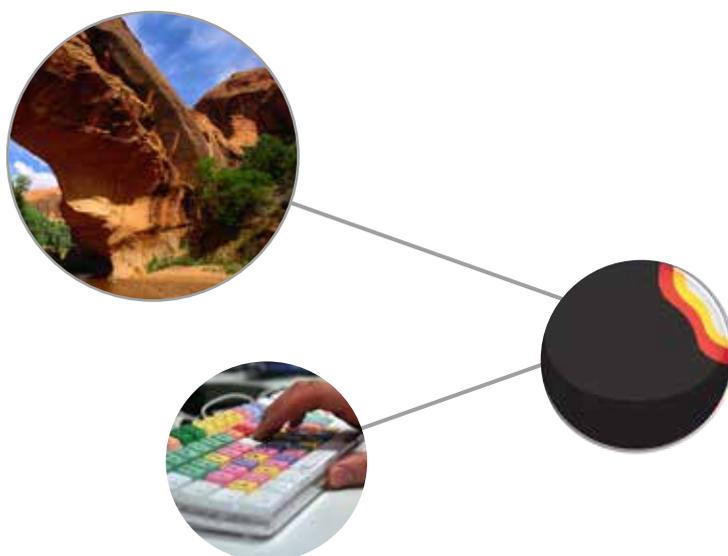
Weathering	Rocks are tough – find out why nature is tougher.
Waterfalls and Gorges	Waterfalls and gorges are some of Earth's most impressive natural features, but how are they formed?
Meanders and Oxbow Lakes	Meanders and oxbow lakes are commonly found in the middle course of a river. What are these features and how are they linked?
Depositional Features	Explore the unique features created by flooding at the end of a river's course.

Coastal Erosion

Weathering	Rocks are tough – find out why nature is tougher.
Coastal Processes: Waves	How do waves shape our coastline?
Coastal Landforms	An introduction to unusual coastal land formations and how they are created.
Coastal Processes	Find out how these geological processes shape our coastline.
Coasts: Hard Engineering	Explore the different ways in which these solutions to the problems of coastal erosion work – and the positive and negative effects.
Coasts: Soft Engineering	Explore the different ways in which these solutions to the problems of coastal erosion work and how they compliment natural processes.
How Do Caves Form?	What processes create caves?
How Are Rivers Formed?	Follow the formation of a river, from source to sea.

Glacial Erosion

Weathering	Rocks are tough – find out why nature is tougher.
Glaciers	How glaciers shape the world.
Scablands: Carved By Water	Discover how a glacial flood created 40,000 km of North America.
Yosemite’s Valleys	Journey to a landscape transformed by the power of ice.



Changing Atmosphere

The Ozone Layer	What caused the hole in the ozone layer, and how have we successfully reduced it?
The Greenhouse Effect	Is the greenhouse effect now threatening our planet's future?
Global Warming	What is global warming and how can we stop it?
Beetles	Discover how beetles have revealed climate change throughout history.
Climate Cycles	What can glacial ice cores tell us about global climate cycles?
State of the Greenland Ice Sheet	Is the Greenland Ice Sheet growing or shrinking?
The Big Chill	Why is the most important oceanic current in the world under threat?
Climate Models	Can we predict the future of Earth's climate?
The Great Global Warming Debate: Part 1	Is the world getting warmer?
The Great Global Warming Debate: Part 2	Is global warming unprecedented or could it be a natural phenomenon?
Global Dimming	Discover the climate change paradox – why less sunlight is reaching Earth's surface.
Inventions to Save the Planet	The futuristic technology that could manipulate Earth's climate.
Clathrate Gun Hypothesis	Discover the greenhouse gas which could cause climate catastrophe.

Pollution

Pollution: Water	Explore the causes and effects of water pollution.
Pollution: Land	Explore the causes and effects of land pollution.
Pollution: Air	Explore the causes and effects of air pollution.
Oil Spills	What is an oil spill and how can it be dealt with?
The Oilmen and the Animals	Does nature have to suffer in our search for resources?
Deforestation	Find out why destroying the rainforest could endanger the future of our planet.
Ecosystem Management: Deserts	Explore the different uses desert ecosystems are put to in MEDCs and LEDCs.
Ecosystem Management: Tropical Rainforests	Find out why the most important ecosystem on our planet needs our help.
Ecosystem Management: Deciduous Forests	Find out how conservation helps to keep these important ancient ecosystems thriving.
FactPack: Light Pollution	Learn about the environmental effects of keeping the lights on.

Humans and the Carbon Cycle

The Carbon Family	Get a domestic perspective on pollution. How big is the average family's carbon footprint?
Carbon Capture: Phytoplankton	Discover how mysterious micro-organisms in the oceans could save our planet.
Carbon Trading	Will government caps help industrial polluters to reduce their carbon footprint?
Carbon Capture: Artificial Trees	Investigate the artificial trees of the future.
The Future Carbon Family	How the average family can help save our planet – a domestic perspective on 'greenliving'.

“ The best thing is that there are no old professors talking for 5 minutes! ”



Water

Types of Weather: Rain	How do water molecules form rain?
The Water Cycle	Discover the cycle that began billions of years ago through which all Earth's water travels.
Cloud Seeding	How are scientists around the world making rain?
What Is a Rainbow?	Investigate the light-splitting process that forms a natural wonder.
Avalanches	What causes these giant snow slides?
Galtür: The Perfect Storm	What caused the devastating avalanche that hit the village of Galtür in Austria?
How the Oceans Formed	Where did Earth's water come from?
How Deserts Are Formed	Why are deserts so dry?
Thunder and Lightning	What happens inside storm clouds to create thunder and lightning?
FactPack: Weird Weather	Find out about some weird and wonderful weather phenomena.

Wind

Types of Weather: Wind	What is the wind and where does it come from?
Hurricanes	Hurricanes are destructive and powerful, but where do they come from?
Storm Surges	Discover why, during a hurricane, the ocean can be the biggest threat.
What Is a Tornado?	What do scientists know about these mysterious storms?
Hurricane Katrina: Part 1	Flood defences were designed to protect the city – so why was New Orleans devastated by Hurricane Katrina?
Hurricane Katrina: Part 2	Discover what caused the devastating floods in New Orleans.
FactPack: Beaufort Scale	How powerful is the wind?

Weather Systems

Weather Systems	What causes weather and how can we predict it?
Types of Weather: Introduction	Learn how the movement of air is at the heart of all weather.
Coriolis Effect	How does Earth's rotation influence our weather systems?
Climate Zones	Why does Earth's climate vary across the globe?
High and Medium-Level Clouds	Can you tell the difference between the different types of cloud?
Monsoon Zone	Discover where changes in wind direction produce the biggest rain storms on the planet.
Killer Heat Wave	The story of five days of unusually hot weather which brought disaster to the city of Chicago.
Low-Level Clouds	How do different cloud types affect our weather?
Climate Influences	What causes the world's varied climate zones?
FactPack: Superstorms	How many times a day does lightning strike the Earth?

World Climate

Ocean Conveyor	Discover how a super-current controls global weather.
Natural Climate Change	What do ice-cores tell us about Earth's climate history?
El Niño	Discover the natural phenomenon that produces some of the world's most chaotic weather.
Secret of the Sahara	Could the world's largest hot desert hide a secret past beneath the sands?