

EDUCATIONAL VIDEO GUIDE

Updated 03/30/2022

#	Title	Topic	Audience	Duration (minutes)	Creator
1	Big Idea: Why Earth Science?	Earth Sciences	Public & Youth	4	American Geoscience Institute
2	Big Idea 1: Earth Scientists Study Our Planet	Earth Sciences	Public & Youth	5	American Geoscience Institute
3	Big Idea 2: Earth is 4.6 Billion Years Old	Earth Sciences	Public & Youth	6	American Geoscience Institute
4	Big Idea 3: Earth's Systems Interact	Earth Sciences	Public & Youth	5	American Geoscience Institute
5	Big Idea 4: Earth Continually Changes	Earth Sciences	Public & Youth	5	American Geoscience Institute
6	Big Idea 5: Earth is the Water Planet	Seismology	University	5	American Geoscience Institute
7	Big Idea 6: Life Evolves on Earth	Earth Sciences	Public & Youth	5	American Geoscience Institute
8	Big Idea 7: Earth Provides Resources	Earth Sciences	Public & Youth	5	American Geoscience Institute

9	Big Idea 8: Natural Hazards Affect Humans	Earth Sciences	Public & Youth	5	American Geoscience Institute
10	Big Idea 9: Humans Change Earth	Careers	Public & Youth	5	American Geoscience Institute
11	Earth Sciences - Part 1	Earth Sciences	Public & Youth	7	Earth Sciences Canada
12	Earth Sciences - Part 2	Careers	Public & Youth	5	Earth Sciences Canada
13	Geotechnical Consultant	Careers	All	7	Earth Sciences Canada
14	Mineral Exploration Geologists	Careers	All	5	Earth Sciences Canada
15	Sedimentologists	Earth Sciences	All	5	Earth Sciences Canada
16	Processing GeophProcessing Geophysicist/Seismic processor	Careers	University	6	Earth Sciences Canada
17	Stratigrapher	Careers	All	6	Earth Sciences Canada
18	Hydrogeologist	Careers	University	5	Earth Sciences Canada
19	What is Geophysics?	Exploration Geophysics	All	1	Physics Animations Edu CG4u
20	Introduction and Scope of Geophysics and Applied Geophysics	Careers	Public & Youth	4	Qazi Sohail Imran
21	How tsunamis work	Earth Sciences	Public & Youth	4	TED-Ed
22	How Do Tides Work?	Earth Sciences	All	4	BrainStuff-HowStuffworks
23	How the Northern Lights are created	Atmospheric Sciences	All	5	Smith H

24	Plate Tectonics Explained	Earth Sciences	Public & Youth	3	MinuteEarth
25	El Nino - What is it?	Atmospheric Sciences	All	5	Met Office - Weather
26	A History of Earth's Climate	Atmospheric Sciences	Public & Youth	11	Scishow
27	When will the next extinction occur?	Earth Sciences	All	5	TED-Ed
28	How Many Mass Extinctions has there been?	Earth Sciences	Public & Youth	3	MinuteEarth
29	Introduction to Hurricanes	Atmospheric Sciences	Public & Youth	5	Frank Gregorio
30	What are hurricanes, typhoons, and tropical cyclones?	Atmospheric Sciences	Public & Youth	7	Met Office - Weather
31	How do tornados form?	Atmospheric Sciences	Public & Youth	4	TED-Ed
32	Dust Devil Weather Phenomenon	Atmospheric Sciences	Public & Youth	1	Met Office - Weather
33	Floods: Natural Hazards	Atmospheric Sciences	Public & Youth	3	VEA Australia -New Zealand
34	The causes of flooding	Atmospheric Sciences	All	2	AFP - News Agency
35	Focal Mechanisms Explained	Seismology	University	7	IRIS EPO
36	Everything you need to know about planet Earth	Earth Sciences	All	7	Kurszgesagt - In a Nutshell
37	Elements of basic petroleum geology	Exploration Geophysics	All	6	Dr. Chris

38	Basic petroleum geology	Exploration Geophysics	Public & Youth	6	Dr. Chris
39	Harmonics in Vibroseis seismic – 3 Videos	Seismology	University	18	Dr. Chris
40	Hydrocrabon trabs – 3 videos	Earth Sciences	University	18	Dr. Chris
41	Sinusoidal waves – 7 videos	Math and Physics	Public & Youth	20	Dr. Chris
42	Climate Change – Fact & Fiction	Earth Sciences	All	75	Dr. Gary Smith
43	Introduction to seismic – 2 videos	Exploration Geophysics	All	10	Dr. Chris
44	Hurricanes	Atmospheric Sciences	public and youth	3	National Geographic Society
45	Hurricanes	Atmospheric Sciences	public and youth	3	BBC
46	Hurricanes	Atmospheric Sciences	public and youth	3	National Geographic Society
47	Hurricanes, Typhoons & Cyclones	Atmospheric Sciences	public and youth	6	Met Office
48	Intorduction to Earth Science	Earth Sciences	public and youth	5	Frank Gregorio
49	Why Earth Science	Earth Sciences	public and youth	6	C M Keane
50	Tectonics of the Planet Earth [educational video]	Earth Sciences	public and youth	14	Worldethq
51	How Volcanoes Form	Earth Science	Public & Youth	5	BBC Motion Gallery
52	Earth Science as a Discipline	Earth Science	Public & Youth	13	University of Cambridge

53 [Metal Earth Seismic Survey 2017](#)

Seismology

Public &
Youth

3

Harquail School of Earth
Sciences

54 [What rivers can tell us about the earth's
history](#)

All

11

TED Talks

**Total #
videos**

54

**Total time
(min)**

402 (6h, 42m)