Climate Literacy: The Essential Principles of Climate Science (USGCRP, 2009)
Gap and Thin Spot Analysis of the CLEAN Collection of Educational Resources

Essential Principle 7 (EP7)

Climate change will have consequences for the Earth system and human lives.

Number of Resources in CLEAN Collection

- ●(#) Total Number of Resources
- (#) Middle School
- (#) High School
- (#) College

Some resources are relevant to multiple grade levels; therefore the total (#) is less than sum of (#), (#), (#).

EP 7A Thermal expansion is causing sea level rise	Activities	12	11	8	0
	Videos	12	12	12	9
	Visualizations	5	5	5	4
	Demos/Experiments	0			
	Total	29	28	25	13
EP 7B Changing climate alters freshwater resources	Activities	4	1	4	3
	Videos	3	3	3	1
	Visualizations	3	3	3	3
	Demos/Experiments	0			
	Total	10	7	10	7
EP 7C Extreme weather events are projected to increase	Activities	5	1	4	2
	Videos	3	3	3	1
	Visualizations	1	1	1	1
	Demos/Experiments	0			
	Total	9	5	8	4
EP 7D The chemistry of ocean water is becoming more acidic	Activities	3	2	2	0
	Videos	6	6	6	4
	Visualizations	2	1	2	2
	Demos/Experiments	1	1	1	0
	Total	12	10	11	6
EP 7E Ecosystems are disturbed by climate change	Activities	17	13	11	3
	Videos	12	12	12	6
	Visualizations	6	6	6	4
	Demos/Experiments	0			
	Total	35	31	29	13
EP 7F Human health will be affected by climate change	Activities	4	0	4	3
	Videos	6	6	6	3
	Visualizations	2	1	2	2
	Demos/Experiments	0			
	Total	12	7	12	8
EP 7 Uncategorized	Activities	12	5	10	6
	Videos	14	12	14	7
	Visualizations	9	8	9	6
	Demos/Experiments	1	1	1	0
	Total	36	26	34	19

Total Number of Unique Resources for EP7: 104

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