Energy Literacy: Essential Principles and Fundamental Concepts for Energy Education (DOE, 2012)
Gap and Thin Spot Analysis of the CLEAN Collection of Educational Resources

Energy Literacy Principle 4 (ELP4)
Various sources of energy are used to power human activities

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 (#), (#), (#).

		Total	Middle School	High School	College
ELP 4.1 Humans transfer and transform energy	Activities	34	19	28	14
	Videos	39	36	35	20
	Visualizations	95	72	85	47
	Demos/Experiments	118	92	107	55
	Total				
ELP 4.2 Human use of energy is subject to limits and constraints	Activities	4	0	4	2
	Videos	2	2	2	1
	Visualizations	1	0	1	1
	Demos/Experiments	0			
	Total	7	2	7	4
ELP 4.3 Fossil and bio fuels contain energy captured from sunlight	Activities	7	3	5	3
	Videos	19	17	17	11
	Visualizations	9	9	9	1
	Demos/Experiments	0			
	Total	35	29	31	15
ELP 4.4 Humans transport energy	Activities	4	4	4	2
	Videos	2	2	2	0
	Visualizations	0			
	Demos/Experiments	0			
	Total	6	6	6	2
ELP 4.5 Electricity generation	Activities	3	2	3	1
	Videos	9	8	9	5
	Visualizations	2	2	2	1
	Demos/Experiments	0			
	Total	14	12	14	7
ELP 4.6 Humans store energy	Activities	0			
	Videos	2	2	2	0
	Visualizations	0			
	Demos/Experiments	0			
	Total	2	2	2	0
ELP 4.7 Different sources of energy have	Activities	11	4	9	5
	Videos	9	9	9	5
	Visualizations	0			
	Demos/Experiments	0			
	Total	20	13	18	10
ELP 4 Uncategorized	Activities	41	24	34	15
	Videos	48	44	44	26
	Visualizations	28	23	28	14
	Demos/Experiments	1	1	1	0
	Total	118	92	107	55
Total Number of Unique Resources for ELP 4		123			