

Energy Literacy: Essential Principles and Fundamental Concepts for Energy Education (DOE, 2013)

Gap and Thin Spot Analysis of the CLEAN Collection of Educational Resources

Energy Literacy Principle 1 (ELP 1)

Energy is a physical quantity.

Number of Resources in CLEAN Collection

I(#)

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

<div>1.1</div> <div>Energy is a Quantity</div>	<div>Activities<div> (6) (2) (3) (3)</div></div> <div>Videos<div> (2) (2) (2) (1)</div></div> <div>Visualizations<div>(0)</div></div> <div>Demos/Experiments<div>(0)</div></div> <div>Total<div> (8) (4) (5) (4)</div></div>
<div>1.2</div> <div>Thermal Energy</div>	<div>Activities<div> (13) (8) (9) (3)</div></div> <div>Videos<div> (6) (4) (6) (4)</div></div> <div>Visualizations<div> (3) (3) (3) (1)</div></div> <div>Demos/Experiments<div> (1) (1) (1) (1)</div></div> <div>Total<div> (23) (16) (19) (9)</div></div>
<div>1.3</div> <div>Created nor Destroyed</div>	<div>Activities<div> (4) (2) (2) (1)</div></div> <div>Videos<div>(0)</div></div> <div>Visualizations<div> (1) (1) (1) (0)</div></div> <div>Demos/Experiments<div>(0)</div></div> <div>Total<div> (5) (3) (3) (1)</div></div>
<div>1.4</div> <div>Energy quality Degrades</div>	<div>Activities<div> (3) (1) (3) (2)</div></div> <div>Videos<div> (1) (1) (1) (1)</div></div> <div>Visualizations<div> (1) (0) (1) (1)</div></div> <div>Demos/Experiments<div> (1) (0) (1) (1)</div></div> <div>Total<div> (6) (2) (6) (5)</div></div>
<div>1.5</div> <div>Forms of Energy</div>	<div>Activities<div> (1) (1) (0) (0)</div></div> <div>Videos<div>(0)</div></div> <div>Visualizations<div>(0)</div></div> <div>Demos/Experiments<div>(0)</div></div> <div>Total<div> (1) (1) (0) (0)</div></div>
<div>1.6</div> <div>Chemical and Nuclear Reactions</div>	<div>Activities<div> (1) (0) (1) (1)</div></div> <div>Videos<div>(0)</div></div> <div>Visualizations<div> (1) (1) (1) (1)</div></div> <div>Demos/Experiments<div>(0)</div></div> <div>Total<div> (2) (1) (2) (2)</div></div>
<div>1.7</div> <div>Units of Energy</div>	<div>Activities<div> (6) (3) (6) (5)</div></div> <div>Videos<div>(0)</div></div> <div>Visualizations<div> (1) (1) (1) (1)</div></div> <div>Demos/Experiments<div>(0)</div></div> <div>Total<div> (7) (4) (7) (6)</div></div>
<div>1.8</div> <div>Power</div>	<div>Activities<div> (3) (1) (2) (2)</div></div> <div>Videos<div>(0)</div></div> <div>Visualizations<div>(0)</div></div> <div>Demos/Experiments<div>(0)</div></div> <div>Total<div> (3) (1) (2) (2)</div></div>
<div>1.0</div> <div>Uncategorized</div>	<div>Activities<div>(0)</div></div> <div>Videos<div> (3) (2) (3) (2)</div></div> <div>Visualizations<div>(0)</div></div> <div>Demos/Experiments<div>(0)</div></div> <div>Total<div> (3) (2) (3) (3)</div></div>
<div>Total Number of Unique Resources for ELP1</div>	<div> (45)</div>