

# Climate Literacy: The Essential Principles of Climate Science (USGCRP, 2009)

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

### Essential Principle 4 (EP 4)

Climate is variable.

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

<b>EP 4A</b>	Activities  (15) (6) (12) (10) Videos  (4) (4) (4) (4) Visualizations  (4) (4) (4) (3) Demos/Experiments (0)
Definition of Climate	Total  (23) (14) (20) (17)
<b>EP 4B</b>	Activities  (8) (5) (6) (6) Videos  (7) (7) (7) (4) Visualizations  (5) (5) (5) (4) Demos/Experiments (0)
Climate vs Weather	Total  (20) (17) (18) (14)
<b>EP 4C</b>	Activities  (25) (11) (23) (17) Videos  (8) (7) (7) (6) Visualizations  (11) (10) (11) (11) Demos/Experiments (0)
Climate Change vs Climate Variability	Total  (44) (28) (41) (34)
<b>EP 4D</b>	Activities  (29) (17) (19) (18) Videos  (15) (12) (15) (12) Visualizations  (8) (7) (8) (7) Demos/Experiments (0)
Changes in Climate	Total  (52) (36) (42) (37)
<b>EP 4E</b>	Activities  (14) (7) (8) (10) Videos  (26) (21) (26) (19) Visualizations  (12) (10) (12) (11) Demos/Experiments (0)
Record Global Warming	Total  (52) (38) (46) (40)
<b>EP 4F</b>	Activities  (11) (7) (11) (8) Videos  (23) (20) (22) (17) Visualizations  (11) (9) (11) (7) Demos/Experiments  (1) (1) (0) (0)
Human Impact	Total  (46) (37) (45) (32)
<b>EP 4G</b>	Activities  (4) (2) (3) (3) Videos  (4) (2) (4) (3) Visualizations  (5) (4) (5) (3) Demos/Experiments  (1) (1) (0) (0)
Natural CO2 processes	Total  (14) (9) (13) (9)
<b>EP 4</b>	Activities  (14) (10) (13) (6) Videos  (15) (13) (15) (10) Visualizations  (7) (6) (7) (6) Demos/Experiments  (1) (1) (0) (0)
Uncategorized	Total  (37) (30) (36) (22)
Total Number of Unique Resources for EP4	 (182)