| Standard | Lesson 1 Case study through critical reading | Lesson 2 Exploration of sources and detection of CO2, carbon cycle | Lesson 3 Consider stakeholders and possible investigation | **Lesson 4** Plan a cohesive set of experiments | Lesson 5AExperiments and analysis  | Lesson 5BAnalyze online data, simulations or other evidence | Lesson 6Mock summit, presentation of findings development of network, possible solutions  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| [CCSS.ELA-Literacy.RST.9-10.2](http://www.corestandards.org/ELA-Literacy/RST/9-10/2/) Determine the central ideas or conclusions of a text; trace the text’s explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text. |  X |  X |   |  |   |  |  |
| [CCSS.ELA-Literacy.RST.9-10.3](http://www.corestandards.org/ELA-Literacy/RST/9-10/3/) Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text. |  |  |  |  |   X  |  |  |
| [CCSS.ELA-Literacy.RST.9-10.4](http://www.corestandards.org/ELA-Literacy/RST/9-10/4/) Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to grades 9–10 texts and topics. |   X |  X |    |  |   |  X |   X |
| [CCSS.ELA-Literacy.RST.9-10.5](http://www.corestandards.org/ELA-Literacy/RST/9-10/5/) Analyze the structure of the relationships among concepts in a text, including relationships among key terms |   X  |  X |  |  |  |  |  |
| [CCSS.ELA-Literacy.RST.9-10.6](http://www.corestandards.org/ELA-Literacy/RST/9-10/6/) Analyze the author’s purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, defining the question the author seeks to address. |  X |   |  |  |  |  |  |
| [CCSS.ELA-Literacy.RST.9-10.7](http://www.corestandards.org/ELA-Literacy/RST/9-10/7/) Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words. |  |   |   |  |   |  |  X |
| [CCSS.ELA-Literacy.RST.9-10.8](http://www.corestandards.org/ELA-Literacy/RST/9-10/8/) Assess the extent to which the reasoning and evidence in a text support the author’s claim or a recommendation for solving a scientific or technical problem. |  X |  X |  |  |  |  |  X |
| [CCSS.ELA-Literacy.RST.9-10.9](http://www.corestandards.org/ELA-Literacy/RST/9-10/9/) Compare and contrast findings presented in a text to those from other sources (including their own experiments), noting when the findings support or contradict previous explanations or accounts. |  X |  |   X |  X |   X  |  X |    X |