

## **UNIT 2 – EXPLORING STEM CAREERS**

### **COMMON CORE STANDARDS**

#### **LESSON 6: WHAT IS A SCIENTIST?**

##### **CCSS.ELA-LITERACY.RST.6-8.2**

Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.

##### **CCSS.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.

##### **CCSS.ELA-LITERACY.RST.11-12.6**

Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, identifying important issues that remain unresolved.

#### **LESSON 7: DEAF PROFESSIONALS IN STEM CAREERS**

##### **CCSS.ELA-LITERACY.RST.6-8.2**

Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.

##### **CCSS.ELA-LITERACY.RST.6-8.4**

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 6-8 texts and topics*.

##### **CCSS.ELA-LITERACY.RST.6-8.6**

Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text.

##### **CCSS.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.

**CCSS.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*.

**CCSS.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.

**CCSS.ELA-LITERACY.RST.11-12.6**

Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, identifying important issues that remain unresolved.

**CCSS.ELA-LITERACY.RST.11-12.4**

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 11-12 texts and topics*.

**CCSS.ELA-LITERACY.RST.11-12.6**

Analyze the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, identifying important issues that remain unresolved.

## **LESSON 8: CHANGING TECHNOLOGIES**

**CCSS.ELA-LITERACY.RST.6-8.2**

Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.

**CCSS.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.

**CCSS.ELA-LITERACY.RST.11-12.5**

Analyze how the text structures information or ideas into categories or hierarchies, demonstrating understanding of the information or ideas.

## **LESSON 9: WHY STUDENTS SHOULD BE INTERESTED IN A STEM CAREER**

### **CCSS.ELA-LITERACY.RST.6-8.1**

Cite specific textual evidence to support analysis of science and technical texts.

### **CCSS.ELA-LITERACY.RST.6-8.2**

Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.

### **CCSS.ELA-LITERACY.RST.9-10.1**

Cite specific textual evidence to support analysis of science and technical texts, attending to the precise details of explanations or descriptions.

### **CCSS.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.

### **CCSS.ELA-LITERACY.RST.11-12.1**

Cite specific textual evidence to support analysis of science and technical texts, attending to important distinctions the author makes and to any gaps or inconsistencies in the account.

### **CCSS.ELA-LITERACY.RST.11-12.2**

Determine the central ideas or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.

## **LESSON 10: COOL STEM CAREERS**

### **CCSS.ELA-LITERACY.RI.6.7**

Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue.

**CCSS.ELA-LITERACY.RI.6.8**

Trace and evaluate the argument and specific claims in a text, distinguishing claims that are supported by reasons and evidence from claims that are not.

**CCSS.ELA-LITERACY.RI.9-10.7**

Analyze various accounts of a subject told in different mediums (e.g., a person's life story in both print and multimedia), determining which details are emphasized in each account.

**CCSS.ELA-LITERACY.RST.11-12.7**

Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.

**LESSON 11: MEET MORE DEAF PROFESSIONALS WORKING IN STEM CAREERS**

**CCSS.ELA-LITERACY.RI.6.7**

Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue.

**CCSS.ELA-LITERACY.RST.6-8.1**

Cite specific textual evidence to support analysis of science and technical texts.

**CCSS.ELA-LITERACY.RST.6-8.2**

Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.

**CCSS.ELA-LITERACY.RI.6.8**

Trace and evaluate the argument and specific claims in a text, distinguishing claims that are supported by reasons and evidence from claims that are not.

**CCSS.ELA-LITERACY.RST.9-10.1**

Cite specific textual evidence to support analysis of science and technical texts, attending to the

precise details of explanations or descriptions.

**CCSS.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.

**CCSS.ELA-LITERACY.RI.9-10.7**

Analyze various accounts of a subject told in different mediums (e.g., a person's life story in both print and multimedia), determining which details are emphasized in each account.

**CCSS.ELA-LITERACY.RST.11-12.1**

Cite specific textual evidence to support analysis of science and technical texts, attending to important distinctions the author makes and to any gaps or inconsistencies in the account.

**CCSS.ELA-LITERACY.RST.11-12.2**

Determine the central ideas or conclusions of a text; summarize complex concepts, processes, or information presented in a text by paraphrasing them in simpler but still accurate terms.

**CCSS.ELA-LITERACY.RST.11-12.7**

Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.

**LESSON 12: POSSIBLE STEM CAREERS: COMPUTERS**

**CCSS.ELA-LITERACY.RI.6.7**

Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue.

**CCSS.ELA-LITERACY.RST.6-8.4**

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 6-8 texts and topics*.

**CCSS.ELA-LITERACY.RST.6-8.9**

Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.

**CCSS.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.

**CCSS.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*.

**CCSS.ELA-LITERACY.RST.11-12.4**

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 11-12 texts and topics*.

**CCSS.ELA-LITERACY.RST.11-12.7**

Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.

**LESSON 13: EXPLORING CURRENT STEM JOBS**

**CCSS.ELA-LITERACY.RI.6.7**

Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue.

**CCSS.ELA-LITERACY.RST.6-8.4**

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 6-8 texts and topics*.

**CCSS.ELA-LITERACY.RI.6.9**

Compare and contrast one author's presentation of events with that of another (e.g., a memoir written by and a biography on the same person).

**CCSS.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.

**CCSS.ELA-LITERACY.RI.9-10.3**

Analyze how the author unfolds an analysis or series of ideas or events, including the order in which the points are made, how they are introduced and developed, and the connections that are drawn between them.

**CCSS.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*.

**CCSS.ELA-LITERACY.RI.9-10.7**

Analyze various accounts of a subject told in different mediums (e.g., a person's life story in both print and multimedia), determining which details are emphasized in each account.

**CCSS.ELA-LITERACY.RST.11-12.4**

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 11-12 texts and topics*.

**CCSS.ELA-LITERACY.RST.11-12.7**

Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.

**LESSON 14: POSSIBLE STEM CAREERS OF THE FUTURE**

**CCSS.ELA-LITERACY.RST.6-8.2**

Determine the central ideas or conclusions of a text; provide an accurate summary of the text distinct from prior knowledge or opinions.

**CCSS.ELA-LITERACY.RI.6.7**

Integrate information presented in different media or formats (e.g., visually, quantitatively) as well as in words to develop a coherent understanding of a topic or issue.

**CCSS.ELA-LITERACY.RST.6-8.4**

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 6-8 texts and topics*.

**CCSS.ELA-LITERACY.RST.6-8.9**

Compare and contrast the information gained from experiments, simulations, video, or multimedia sources with that gained from reading a text on the same topic.

**CCSS.ELA-LITERACY.RI.6.9**

Compare and contrast one author's presentation of events with that of another (e.g., a memoir written by and a biography on the same person).

**CCSS.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.

**CCSS.ELA-LITERACY.RI.9-10.3**

Analyze how the author unfolds an analysis or series of ideas or events, including the order in which the points are made, how they are introduced and developed, and the connections that are drawn between them.

**CCSS.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*.

**CCSS.ELA-LITERACY.RI.9-10.7**

Analyze various accounts of a subject told in different mediums (e.g., a person's life story in both print and multimedia), determining which details are emphasized in each account.

**CCSS.ELA-LITERACY.RST.11-12.4**

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 11-12 texts and topics*.

**CCSS.ELA-LITERACY.RST.11-12.7**

Integrate and evaluate multiple sources of information presented in diverse formats and media (e.g., quantitative data, video, multimedia) in order to address a question or solve a problem.

