

Common Core and Literacy Strategies: Science

Course Objectives

After completing this course, you should be able to

Module 1

- Define literacy and the Common Core State Standards and identify their importance.
- Understand the need for literacy skills in all content areas.
- Identify ways that classroom teachers can embrace the Common Core State Standards to improve 21st century literacy in their classrooms.

Module 2

- Understand what text complexity is and how it is determined.
- Articulate the significance of text complexity in developing 21st century literacy.
- Incorporate new text selection criteria and a focus on complex texts into your classroom.

Module 3

- Describe the connection between text comprehension and a deep understanding of scientific concepts.
- Use literacy strategies to improve scientific reading, as expressed in the Common Core State Standards.

Module 4

- Explain how language, speaking, and listening skills contribute to critical thinking in science.
- Use literacy strategies in language, speaking, and listening to increase scientific understanding.

Module 5

- Understand the role that reflection and writing play in improving reasoning, argument, and analysis skills.
- Incorporate literacy strategies in reflection and writing to increase reasoning, argument, and analysis skills.

Module 6

- Identify literacy problems for students who struggle with reading for a variety of reasons.
- Develop strategies that help special needs students develop literacy.

Course Syllabus

Module 1	What Is the Common Core and Why Do We Need It? Module Welcome <ul style="list-style-type: none">• Online Video: Lily Eskelsen• Reading: <i>EL</i>—Building on the Common Core Check for Understanding <ul style="list-style-type: none">• Reading: Literacy and the Common Core State Standards• Online Video: Literacy in Other Disciplines• Reading: <i>EL</i>—Reading Through a Disciplinary Lens Check for Understanding <ul style="list-style-type: none">• Application: Observe Literacy in Another Content Area Module Journal
Module 2	Focusing on Complex Texts Module Welcome <ul style="list-style-type: none">• Reading: Understanding Text Complexity• Online Video: Introduction to Text Complexity Check for Understanding <ul style="list-style-type: none">• Reading: <i>EL</i>—Too Dumb for Complex Texts• Online Video: The Gettysburg Address: A Curricular Exemplar in Literacy Check for Understanding <ul style="list-style-type: none">• Application: Choosing and Using Complex Texts Module Journal
Module 3	Literacy Strategies I: Text Features and Comprehension Module Welcome <ul style="list-style-type: none">• Reading: <i>EL</i>—Making Science Real

	<ul style="list-style-type: none"> • Reading: Fostering Deep Comprehension in the Classroom • Video: Pre-reading Strategy: Story Impressions <p>Check for Understanding</p> <ul style="list-style-type: none"> • Video: During-Reading Strategy: Insert Note Taking • Reading: <i>EL</i>—Summarizing to Comprehend • Reading: <i>EL</i>—Teaching Reading in Mathematics and Science <p>Check for Understanding</p> <ul style="list-style-type: none"> • Application: Comprehension Lesson Plan <p>Module Journal</p>
<p>Module 4</p>	<p>Literacy Strategies II: Language, Speaking, and Listening</p> <p>Module Welcome</p> <ul style="list-style-type: none"> • Online Video: SHIFT 6: Academic Vocabulary • Reading: Developing Language Skills in Science • Reading: <i>EL</i>—Where Literacy and Science Intersect <p>Check for Understanding</p> <ul style="list-style-type: none"> • Video: Teaching Vocabulary • Reading: Developing Speaking and Listening Skills in Science • Online Video: Speaking and Listening: The Key Role of Evidence • Reading: <i>EL</i>—Thinking Is Literacy, Literacy Thinking <p>Check for Understanding</p> <ul style="list-style-type: none"> • Application: Discussion Web <p>Module Journal</p>
<p>Module 5</p>	<p>Literacy Strategies III: Writing and Reflection</p> <p>Module Welcome</p> <ul style="list-style-type: none"> • Online Video: Writing to Inform and Make Arguments

	<ul style="list-style-type: none">• Reading: Promoting Critical Writing and Reflection <p>Check for Understanding</p> <ul style="list-style-type: none">• Application: Survey Writing Standards Across Grades• Reading: <i>EL</i>—A Culture of Literacy in Science• Reading: <i>EL</i>—Putting Gel Pen to Paper• Video: RAFT Assignments <p>Check for Understanding</p> <ul style="list-style-type: none">• Application: Designing a Writing Assignment <p>Module Journal</p>
Module 6	Literacy for Students who Struggle in School Module Welcome <ul style="list-style-type: none">• Reading: Literacy for Students who Struggle in School• Reading: <i>EL</i>—The Day Reading Became Play• Reading: <i>EL</i>—The Power of Strategies Instruction <p>Check for Understanding</p> <ul style="list-style-type: none">• Online Video: SHIFT 3: Staircase of Complexity• Reading: <i>EL</i>—Teacher Skills to Support English Language Learners <p>Check for Understanding</p> <ul style="list-style-type: none">• Application: Designing Literacy Activities for Struggling Readers <p>Module Journal</p>

Resources

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- EngageNY (Poster). (2011). *SHIFT 6: Academic vocabulary* [Video]. Retrieved from <http://vimeo.com/27077248>
- EngageNY (Poster). (2011). *The Gettysburg Address: A curricular exemplar in literacy* [Video]. Retrieved from <http://vimeo.com/27057291>
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