

# Common Core and Literacy Strategies: Science, 2nd Edition

In Common Core and Literacy Strategies: Mathematics, 2nd Edition you'll explore how the Common Core State Standards (CCSS) approach literacy in new and important ways. You will see a new emphasis on critical thinking skills in the area of science. Through video examples, in-depth readings, and downloadable applications, you'll learn practical ways to put CCSS to work in your classroom.

In the second edition of this course, emphasis is placed on literacy strategies in the science classroom at grades 6-12.

## Course Objectives

By the end of this course, you will be able to

### Module 1

- Define literacy and the Common Core State Standards and explain why they are important.
- 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

- 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.
- Evaluate various strategies to use complex texts in the classroom to improve student learning.

### **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.

<b>Module 1</b>	<p><b>What Is the Common Core and Why Do We Need It?</b></p> <ul style="list-style-type: none"> <li>• Module Welcome</li> <li>• Video 1: The Origins of the Common Core</li> <li>• Reading 1: <i>EL</i>—Building on the Common Core</li> <li>• Video 2: <i>EL</i>—Common Core: Now What?</li> <li>• Reading 2: Literacy and the Common Core State Standards</li> </ul> <p>Check for Understanding</p> <ul style="list-style-type: none"> <li>• Application: Literacy in Another Content Area</li> </ul> <p>Module Journal</p> <ul style="list-style-type: none"> <li>• Optional Resources for Further Engagement</li> </ul>
<b>Module 2</b>	<p><b>Focusing on Complex Texts</b></p> <ul style="list-style-type: none"> <li>• Module Welcome</li> <li>• Reading 1: Understanding Text Complexity</li> <li>• Reading 2: It's Complicated - Common Core State Standards Focus on Text Complexity</li> <li>• Audio: Education Experts Talk Text Complexity (optional)</li> <li>• Reading 3: Common Core Quick-Start</li> <li>• Video 1: Save the Last Word for Me</li> <li>• Video 2: Strategies for Complex Text</li> </ul> <p>Check for Understanding</p> <ul style="list-style-type: none"> <li>• Application: Choosing and Using Complex Texts</li> </ul> <p>Module Journal</p> <ul style="list-style-type: none"> <li>• Optional Resources for Further Engagement</li> </ul>
<b>Module 3</b>	<p><b>Literacy Strategies I: Text Features and Comprehension</b></p> <ul style="list-style-type: none"> <li>• Module Welcome</li> <li>• Reading 1: <i>EL</i>—Making Science Real</li> <li>• Video 1: Pre-reading Strategy: Story Impressions</li> <li>• Video 2: During-Reading Strategy: Insert Note Taking</li> </ul>

	<ul style="list-style-type: none"> <li>• Reading 2: <i>EL</i>—Summarizing to Comprehend</li> <li>• Optional Video: During Reading Strategies: SQ3R</li> <li>• Reading 3: <i>EL</i>—Teaching Reading in Mathematics and Science</li> </ul> <p>Check for Understanding</p> <ul style="list-style-type: none"> <li>• Application: Comprehension Lesson Plan</li> </ul> <p>Module Journal</p> <ul style="list-style-type: none"> <li>• Optional Resources for Further Engagement</li> </ul>
<b>Module 4</b>	<p><b>Literacy Strategies II: Language, Speaking, and Listening</b></p> <ul style="list-style-type: none"> <li>• Module Welcome</li> <li>• Reading 1: Developing Language Skills in Science</li> <li>• Video 1: A Six-Step Process for Teaching Vocabulary</li> <li>• Video 2: Teaching Vocabulary</li> <li>• Reading 2: Developing Speaking and Listening Skills in Science</li> <li>• Reading 3: <i>EL</i> — Think Like a Seminar</li> <li>• Optional Video 3: Collaboration and Debate</li> </ul> <p>Check for Understanding</p> <ul style="list-style-type: none"> <li>• Application: Discussion Web</li> </ul> <p>Module Journal</p> <ul style="list-style-type: none"> <li>• Optional Resources for Further Engagement</li> </ul>
<b>Module 5</b>	<p><b>Literacy Strategies III: Writing and Reflection</b></p> <ul style="list-style-type: none"> <li>• Module Welcome</li> <li>• Video 1: Writing to Inform and Make Arguments</li> <li>• Reading 1: Promoting Critical Writing and Reflection</li> <li>• Video 2: Biology—Expressing Relationships</li> <li>• Reading 2: <i>EL</i>—A Culture of Literacy in Science!</li> <li>• Reading 3: <i>EL</i>—Putting Gel Pen to Paper</li> <li>• Check for Understanding</li> <li>• Application: Designing a Writing Assignment</li> </ul>

	<p>Module Journal</p> <ul style="list-style-type: none"> <li>Optional Resources for Further Engagement</li> </ul>
<b>Module 6</b>	<p><b>Literacy for Students who Struggle in School</b></p> <ul style="list-style-type: none"> <li>Module Welcome</li> <li>Video 1: Meeting Students' Needs</li> <li>Video 2: Put Yourself in Their Shoes</li> <li>Reading 1: Literacy for Students Who Struggle in School</li> <li>Reading 2: <i>EL</i>—The Power of Strategies Instruction</li> <li>Reading 3: <i>EL</i>—Teacher Skills to Support English Language Learners</li> </ul> <p>Check for Understanding</p> <ul style="list-style-type: none"> <li>Application: Webquest - Literacy Strategies for Struggling Readers</li> </ul> <p>Module Journal</p>

## References

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