

## Collection Development Policy

NSDL Special Collection aligned to the ELA Science and Technical Standards 6-12

April 16, 2012

Version 1.0

This collection contains digital learning objects identified as appropriate for meeting the Reading Standards for Literacy in Science and Technical Subjects, 6-12 and Writing Standards for Literacy in History/Social Studies, Science, and Technical Subjects, 6-12. Both the reading and writing standards are found within the larger English Language Arts [standards document](#).

Science and English Language Arts resource specialists evaluate digital resources using the following criteria and standards to build a collection that includes lesson plans, interactive student activities, texts that can be read by students, and assessments. The collection is focused on learning objects that are at the lesson, activity, or single assessment level.

Resources will be discoverable through the following browse structure:

### Reading in Science and Technical Subjects

Key Ideas and Details		
1) Cite textual evidence		
6-8	9-10	11-12
2) Determine central ideas and conclusions; summarize details and ideas		
6-8	9-10	11-12
3) Follow multistep procedures		
6-8	9-10	11-12
Craft and Structure		
4) Understand terms and symbols in context		
6-8	9-10	11-12
5) Analyze the structure of texts		
6-8	9-10	11-12
6) Analyze author's purpose		
6-8	9-10	11-12
Integration of Knowledge and Ideas		
7) Integrate, translate, and evaluate content across media and formats		
6-8	9-10	11-12
8) Distinguish, assess, and evaluate evidence and reasoning		
6-8	9-10	11-12
9) Compare and synthesize information from multiple sources		
6-8	9-10	11-12
Range of Reading and Level of Text Complexity		
10) Read and comprehend science and technical texts		
6-8	9-10	11-12

### Writing for History, Social Studies, Science, and Technical Subjects

Text Types and Purposes		
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1) Write arguments		
6-8	9-10	11-12
2) Write informative and explanatory text		
6-8	9-10	11-12
3) Write narrative text – not applicable as a separate requirement		
n/a	n/a	n/a
Production and Distribution of Writing		
4) Write for task, audience, and purpose		
6-8	9-10	11-12
5) Plan, draft, revise, and edit writing		
6-8	9-10	11-12
6) Use technology to write and publish		
6-8	9-10	11-12
Research to Build and Present Knowledge		
7) Conduct research projects		
6-8	9-10	11-12
8) Gather and analyze information from multiple sources		
6-8	9-10	11-12
9) Work with evidence		
6-8	9-10	11-12
Range of Writing		
10) Write over short and extended time frames		
6-8	9-10	11-12

At the time of selection, a potential resource must meet the following criteria:

1. Aligns to either the Reading Standards for Literacy in Science and Technical Subjects, 6-12 or the Writing Standards for Literacy in History/Social Studies, Science, and Technical Subjects, 6-12. Resources in the collection can have *strong* or *limited* alignment with a particular standard for a grade band.

1a. An object has *strong* alignment for either one of two reasons:

\*All of the content and performance expectations in the identified standard are completely addressed by the object

\*Minor elements of the standard are not addressed in the object.

1b. An object has *limited* alignment if a significant part of the content or performance expectations of the identified standard is not addressed in the object, as long as there is fidelity to the part it does cover.

2. Contain accurate science content (if applicable; not all resources will necessarily contain science content).

3. Offer content that is either developmentally appropriate for middle or high school student learning or that supports the teacher's pedagogical or content knowledge development.

4. If the resource contains material intended to be read by students, the reading level is appropriate for the grade and/or grade band. The Flesch-Kincaid Reading Level of a text can be obtained by copying and pasting the text into a Word document. Directions are available at <http://www.seerinteractive.com/blog/how-to-check-your-contents-reading-level-in-word-for-pc-and-mac>. The Flesch-Kincaid level given correlates to a grade level (i.e., a 6.2 rating is suitable for sixth grade students). In general, lower reading levels are okay, but text with a higher reading level than the intended grade or grade band should not be used. Reading levels (Flesch-Kincaid or others) should be noted in the description (?) when cataloging the resource. Reading level is also a field in the NSDL LAR Indexing Framework.

5.

In addition, specialists are strongly encouraged to read the explanations and examples provided in [the 2010 Arizona ELA Standards \(Common Core State Standards plus Arizona additions\) for Literacy in Science and Technical Subjects](#). These documents include additional explanation of the standards and examples of how each standard could be taught in the classroom.

Two [web seminars](#) on the reading and writing standards may also be helpful before identifying or cataloging resources.