

DESCRIPTION

The National Onion Association developed educational materials (lesson plans/handouts/powerpoints) for teachers and 4th-6th grade students. These cross curricular lesson plans and correlating materials are posted on the NOA website as PDFs.

COURSE GOAL:

These lessons were designed to provide cross curricular experiences that expand awareness and appreciation for the health benefits, botanical complexity of onions and the role of onions in American history.

These lessons align with national core standards. The following chart lists the standards and the lessons in this unit that address each of the listed standards.

CORE 4 TH -6 TH GRADE STANDARDS	Lesson
Literacy and Language Arts	
Explain events, procedures, ideas, or concepts in a historical, scientific, or technical text, including what happened and why, based on specific information in the text.	2, 3, 5, 6,
Demonstrate understanding of figurative language, word relationships, and nuances in word meanings	1, 6, 7
Determine the meaning of general academic and domain-specific words or phrases in a text relevant to a <i>topic or subject area</i> .	1, 2, 4, 5, 7
Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears.	1, 2, 3, 4, 5, 6
Read with sufficient accuracy and fluency to support comprehension.	2, 3, 6, 7
Read grade-level text with purpose and understanding.	2, 3, 6, 7
Demonstrate command of the conventions of standard English grammar and usage when writing or speaking.	1, 4, 5, 6, 7
Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing	1, 6
Write opinion pieces on topics or texts, supporting a point of view with reasons and information.	1
Write informative/explanatory texts to examine a topic and convey ideas and information clearly.	1

Write narratives to develop real or imagined experiences or events using effective technique, descriptive details, and clear event sequences.	6
Produce clear and coherent writing in which the development and organization are appropriate to task, purpose, and audience	1, 6
Conduct short research projects that build knowledge through investigation of different aspects of a topic	1
Write routinely over extended time frames (time for research, reflection, and revision) and shorter time frames (a single sitting or a day or two) for a range of discipline-specific tasks, purposes, and audiences.	1, 6
Draw evidence from literary or informational texts to support analysis, reflection, and research.	6
Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on <i>topics and texts</i> , building on others' ideas and expressing their own clearly.	1, 2, 4, 5, 6, 7
Paraphrase portions of a text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally. Identify the reasons and evidence a speaker provides to support particular points.	1, 4, 5, 6
Identify the reasons and evidence a speaker provides to support particular points.	1, 4, 6
Report on a topic or text, tell a story, or recount an experience in an organized manner, using appropriate facts and relevant, descriptive details to support main ideas or themes; speak clearly at an understandable pace.	1, 4, 5, 6
Differentiate between contexts that call for formal English (e.g., presenting ideas) and situations where informal discourse is appropriate (e.g., small-group discussion); use formal English when appropriate to task and situation	7
CORE 4TH-6TH GRADE STANDARDS	Lesson
History and Social Studies	
Identify key steps in a text's description of a process related to history/social studies (e.g., how a bill becomes law, how interest rates are raised or lowered).	5
Identify aspects of a text that reveal an author's point of view or purpose (e.g., loaded language, inclusion or avoidance of particular facts).	6
Distinguish among fact, opinion, and reasoned judgment in a text.	6
Students should be able to analyze patterns of historical succession illustrated, for example, in the development, over time, of ever-larger systems of interaction.	5

CORE 4 TH -6 TH GRADE STANDARDS	Lesson
Science	
Construct and use classification systems based on the structure of organisms.	4, 5
Describe the importance of plant and animal adaptations, including local examples.	4, 5
Recognize the effects of geography on the diversity of flora and fauna.	4
CORE 4TH-6TH GRADE STANDARDS	
Lesson	
Math	
Develop understanding of fractions as parts of unit wholes	2, 3
Work flexibly with fractions, decimals, and percents to solve problems.	4, 5
Represent, analyze, and generalize a variety of patterns with tables, graphs, words, and when possible, symbolic rules.	4
Select, create, and use appropriate graphical representations of data	4
Relate and compare different forms of representation for a relationship.	4
Understand the need for measuring with standard units and become familiar with standard units in the customary and metric systems.	2, 3
Organize and consolidate mathematical thinking through communication.	2, 3, 4
Use the language of mathematics to express mathematical ideas precisely.	2, 3, 4

