



Education Standards

Table listing educational resources for each lesson. Lesson 1: Pest Background Knowledge, Vin-troduction, Attack of the Invasive Species!, Invasive Species Executive Order, A Day in Your Life With Invasive Species, Exploring the Threat, Wrap Up—Why Should I Care?, Ext: Vin's Vocabulary, Ext: Protect Your Environment Trek, Ext: Natural Resources Research: Wood Is Wood, Isn't It?, Ext: What's Up With Wildfires?, Ext: Hungry Pests on the Prowl, Ext: No Pests Taste Test, Ext: #HungryPests. Lesson 2: Wanted! The Pest Files, Hungry Pests Detectives Timeline, Map It Out—Invasive Species in the United States, Hungry Pests Re-Cap, Ext: Up Close and Personal, Ext: Make Your Own Vin Vasive, Ext: Who Am I? "Guess the Hungry Pests" Game, Ext: Be a Pest, Ext: Beetle Busters!. Lesson 3: Vin Vasive's "Top 8 Ways I Spread", Pest Pathway Storyboards, USDA vs. Invasive Species, Breaking News!, Wrap Up—3-2-1, Pests!, Ext: Hungry Pests Theater, Ext: Pathway Charades, Ext: Hungry Pests and Pathways. Lesson 4: Seven Ways to Leave Hungry Pests Behind!, "Movers and Shakers", Invasive Species Social Network, Taking Action!, Message Making, Spreading the Word!, Presenting: Hungry Pests! A Community Plan, Ext: In the News, Ext: Hello My Name is..., Ext: Anti-Vin Vasive, Ext: Hungry Pests Herald, Ext: Real-World Research, Ext: Hungry Pests Jeopardy, Ext: Plant Health Professionals.

NATIONAL EDUCATION STANDARDS

Table mapping National Education Standards (MS-LS2-1 to MS-ESS3-3) to the educational resources. MS-LS2-1 is covered by Lesson 1 resources. MS-LS2-2 is covered by Lesson 1 resources. MS-LS2-4 is covered by Lesson 1 resources. MS-LS2-5 is covered by Lesson 1 resources. MS-ESS3-3 is covered by Lesson 4 resources.

The Common Core State Standards for English Language Arts and Literacy:

Table mapping Common Core State Standards for English Language Arts and Literacy (R.1-10, W.3-10, SL.1-5, L.1-6) to the educational resources. Reading standards (R) are primarily covered by Lesson 1. Writing standards (W) are covered by Lesson 3 and Lesson 4. Speaking and Listening standards (SL) are covered by Lesson 1 and Lesson 4. Language standards (L) are covered by Lesson 1 and Lesson 4.

The Standards for Mathematical Practice:

Table mapping Standards for Mathematical Practice (6.RP.A, 6.SP.A) to the educational resources. 6.RP.A is covered by Lesson 1 resources. 6.SP.A is covered by Lesson 1 resources.





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Table with 20 columns representing lessons and 1 row of headers: Pest Background Knowledge, Vin-troduction, Attack of the Invasive Species!, Invasive Species Executive Order, A Day in Your Life With Invasive Species, Exploring the Threat, Wrap Up—Why Should I Care?, Ext: Vin's Vocabulary, Ext: Protect Your Environment Trek, Ext: Natural Resources Research: Wood Is Wood, Isn't It?, Ext: What's Up With Wildfires?, Ext: Hungry Pests on the Prowl, Ext: No Pests Taste Test, Ext: #HungryPests, Wanted! The Pest Files, Hungry Pests Detectives Timeline, Map It Out—Invasive Species in the United States, Hungry Pests Re-Cap, Ext: Up Close and Personal, Ext: Make Your Own Vin Vasive, Ext: Who Am I? "Guess the Hungry Pests" Game, Ext: Be a Pest, Ext: Beetle Busters!, Vin Vasive's "Top 8 Ways I Spread", Pest Pathway Storyboards, USDA vs. Invasive Species, Breaking News!, Wrap Up—3-2-1, Pests!, Ext: Hungry Pests Theater, Ext: Pathway Charades, Ext: Hungry Pests and Pathways, Seven Ways to Leave Hungry Pests Behind!, "Movers and Shakers", Invasive Species Social Network, Taking Action!, Message Making, Spreading the Word!, Presenting: Hungry Pests! A Community Plan, Ext: In the News, Ext: Hello My Name is..., Ext: Anti-Vin Vasive, Ext: Hungry Pests Herald, Ext: Real-World Research, Ext: Hungry Pests Jeopardy, Ext: Plant Health Professionals.

LESSON 1 LESSON 2 LESSON 3 LESSON 4

8.4.A: The student is expected to collect, record, and analyze information using tools including beakers, petri dishes, meter sticks, graduated cylinders, weather instruments, hot plates, dissecting equipment, test tubes, safety goggles, spring scales, balances, microscopes, telescopes, thermometers, calculators, field equipment, computers, computer probes, water test kits, and timing devices.

Table with 20 columns (lessons) and 1 row (8.4.A) with an 'x' in the 17th column.

Math Standards:

1.A: The student is expected to compare and order integers and positive rational numbers.

Table with 20 columns (lessons) and 1 row (1.A) with an 'x' in the 17th column.

English Language Arts Standards:

1: Reading/Fluency. Students read grade-level text with fluency and comprehension. Students are expected to adjust fluency when reading aloud grade-level text based on the reading purpose and the nature of the text.

Table with 20 columns (lessons) and 1 row (1) with 'x' marks in columns 3, 4, and 5.

2: Reading/Vocabulary Development. Students understand new vocabulary and use it when reading and writing.

Table with 20 columns (lessons) and 1 row (2) with 'x' marks in columns 3, 4, 5, 6, 7, 17, 18, 19, and 20.

10: Reading/Comprehension of Informational Text/Expository Text. Students analyze, make inferences and draw conclusions about expository text and provide evidence from text to support their understanding.

Table with 20 columns (lessons) and 1 row (10) with 'x' marks in columns 3 and 4.

13: Reading/Media Literacy. Students use comprehension skills to analyze how words, images, graphics, and sounds work together in various forms to impact meaning. Students will continue to apply earlier standards with greater depth in increasingly more complex texts.

Table with 20 columns (lessons) and 1 row (13) with an 'x' mark in column 19.

16: Writing. Students write about their own experiences. Students are expected to write a personal narrative that has a clearly defined focus and communicates the importance of or reasons for actions and/or consequences.

Table with 20 columns (lessons) and 1 row (16) with an 'x' mark in column 7.

17: Writing/Expository and Procedural Texts. Students write expository and procedural or work-related texts to communicate ideas and information to specific audiences for specific purposes.

Table with 20 columns (lessons) and 1 row (17) with 'x' marks in columns 17, 18, and 19.

22: Research/Research Plan. Students ask open-ended research questions and develop a plan for answering them.

Table with 20 columns (lessons) and 1 row (22) with 'x' marks in columns 17, 18, 19, and 20.

23: Research/Gathering Sources. Students determine, locate, and explore the full range of relevant sources addressing a research question and systematically record the information they gather.

Table with 20 columns (lessons) and 1 row (23) with 'x' marks in columns 17, 18, 19, and 20.

24: Research/Synthesizing Information. Students clarify research questions and evaluate and synthesize collected information.

Table with 20 columns (lessons) and 1 row (24) with 'x' marks in columns 17, 18, 19, and 20.

25: Research/Organizing and Presenting Ideas. Students organize and present their ideas and information according to the purpose of the research and their audience.

Table with 20 columns (lessons) and 1 row (25) with 'x' marks in columns 17, 18, 19, and 20.

26: Listening and Speaking/Listening. Students will use comprehension skills to listen attentively to others in formal and informal settings.

Table with 20 columns (lessons) and 1 row (26) with 'x' marks in columns 1, 2, 17, 18, 19, 20, and 21.

27: Listening and Speaking/Speaking. Students speak clearly and to the point, using the conventions of language. Students will continue to apply earlier standards with greater complexity. Students are expected to present a critique of a literary work, film, or dramatic production, employing eye contact, speaking rate, volume, enunciation, a variety of natural gestures, and conventions of language to communicate ideas effectively.

Table with 20 columns (lessons) and 1 row (27) with 'x' marks in columns 1, 2, 17, 18, 19, 20, 21, 22, and 23.

28: Listening and Speaking/Teamwork. Students work productively with others in teams. Students will continue to apply earlier standards with greater complexity. Students are expected to participate productively in discussions, plan agendas with clear goals and deadlines, set time limits for speakers, take notes, and vote on key issues.

Table with 20 columns (lessons) and 1 row (28) with 'x' marks in columns 17, 18, 19, 20, 21, and 22.

Social Studies Standards:

6.3: Geography: The student uses maps, globes, graphs, charts, models, and databases to answer geographic questions.

Table with 20 columns (lessons) and 1 row (6.3) with an 'x' mark in column 17.

6.4: Geography: The student understands the characteristics and relative locations of major historical and contemporary societies.

Table with 20 columns (lessons) and 1 row (6.4) with an 'x' mark in column 17.

6.5: Geography: The student understands how geographic factors influence the economic development, political relationships, and policies of societies.

Table with 20 columns (lessons) and 1 row (6.5) with an 'x' mark in column 17.

6.6: Geography: The student understands the impact of physical processes on patterns in the environment.

Table with 20 columns (lessons) and 1 row (6.6) with an 'x' mark in column 17.

6.7: Geography: The student understands the impact of interactions between people and the physical environment on the development of places and regions.

Table with 20 columns (lessons) and 1 row (6.7) with an 'x' mark in column 17.

6.8: Economics: The student understands the various ways in which people organize economic systems.

Table with 20 columns (lessons) and 1 row (6.8) with 'x' marks in columns 18 and 19.

6.10: Economics: The student understands categories of economic activities and the means used to measure a society's economic level.

Table with 20 columns (lessons) and 1 row (6.10) with 'x' marks in columns 18 and 19.

6.13: Citizenship: The student understands that the nature of citizenship varies among societies.

Table with 20 columns (lessons) and 1 row (6.13) with 'x' marks in columns 21, 22, 23, 24, 25, 26, 27, and 28.

6.21: Social Studies Skills: The student applies critical-thinking skills to organize and use information acquired from a variety of sources including electronic technology.

Table with 20 columns (lessons) and 1 row (6.21) with 'x' marks in columns 3, 4, 5, 6, 7, 17, 18, 19, 20, 21, and 22.

6.22: Social Studies Skills: The student communicates in written, oral, and visual forms.

Table with 20 columns (lessons) and 1 row (6.22) with 'x' marks in columns 3, 4, 5, 6, 7, 17, 18, 19, 20, 21, 22, 23, and 24.

6.23: Social Studies Skills: The student uses problem-solving and decision-making skills, working independently and with others, in a variety of settings.

Table with 20 columns (lessons) and 1 row (6.23) with 'x' marks in columns 21, 22, 23, and 24.

7.1: Apply absolute and relative chronology through the sequencing of significant individuals, events, and time periods.

Table with 20 columns (lessons) and 1 row (7.1) with 'x' marks in columns 17, 18, and 19.

7.8: Create thematic maps, graphs, charts, models, and databases representing various aspects of Texas during the 19th and 20th centuries.

Table with 20 columns (lessons) and 1 row (7.8) with an 'x' mark in column 17.

7.21: Differentiate between, locate, and use primary and secondary sources such as computer software, databases, media and news services, biographies, interviews, and artifacts to acquire information about Texas.

Table with 20 columns (lessons) and 1 row (7.21) with 'x' marks in columns 3, 4, 5, 6, 7, 17, 18, 19, 20, 21, 22, and 23.

7.22: Use social studies terminology correctly.

Table with 20 columns (lessons) and 1 row (7.22) with 'x' marks in columns 17, 18, 19, 20, 21, 22, 23, and 24.

