

## Third Grade Standards By Lessons

| Reading/Language Arts  | Soybean Products/ Game  |
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| <p><b>Introduction to Soybean Production</b></p> <p>3.RV.1 - Build and use accurately conversational, general academic, and content-specific words and phrases.</p> <p>3.RV.3.2 – Determine the meanings of general academic and content-specific words and phrases in a nonfiction text relevant to a third-grade topic or subject area.</p> <p>3.W.2.1 – Write legibly in print or cursive, leaving space between letters in a word, words, in a sentence, and words and the edges of the paper.</p> <p>3.W.6.2 – Demonstrate command of capitalization, punctuation, and spelling focusing on:</p> <p>3.W.6.2a – Capitalization – Capitalizing appropriate words in titles, historical periods, company names, product names, and special events.</p> <p>3.W.6.2.b – Punctuation – Correctly using apostrophes to form contractions and singular and plural possessives. Using quotation marks to mark direct speech. Using commas in locations and addresses; to mark direct speech; and for coordination adjectives (e.g., a small, red bicycle)</p> <p>3.W.6.2c – Spelling – Using conventional spelling for high-frequency and other studied words and for adding affixes to base words. Using spelling patterns and generalization (e.g., word families, position-based spellings, syllable patterns, ending rules, meaningful word parts, homophones/ homographs) when writing.</p> <p><b>Breaking down a Soybean Pod</b></p> <p>3.SL.1 – Listen actively and adjust the use of spoken language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes.</p> <p>3.SL.2.4 – Ask questions to check understanding of information presented, stay on topic, and link comments to the remarks of others.</p> <p><b>The Journey of a Soybean</b></p> <p>3.W.6.2 – Demonstrate command of capitalization, punctuation, and spelling focusing on:</p> <p>3.W.6.2a – Capitalization – Capitalizing appropriate words in titles, historical periods, company names, product names, and special events.</p> <p>3.W.6.2.b – Punctuation – Correctly using apostrophes to form contractions and singular and plural possessives. Using quotation marks to mark direct speech. Using commas in locations and addresses; to mark direct speech; and for coordination adjectives (e.g., a small, red bicycle)</p> <p>3.W.6.2c – Spelling – Using conventional spelling for high-frequency and other studied words and for adding affixes to base words. Using spelling patterns and generalization (e.g., word families, position-based spellings, syllable patterns, ending rules, meaningful word parts, homophones/ homographs) when writing</p> <p>3.W.2.1 – Write legibly in print or cursive, leaving space between letters in a word, words, in a sentence, and words and the edges of the paper.</p> <p>3.SL.3.1 – Retell, paraphrase, and explain the main ideas and supporting details of a text read aloud or information presented in diverse media, and formats, including visually, quantitatively (e.g., charts and graphs), and orally</p> <p>3.SL.3.2 – Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.</p> <p><b>Pressing Soybean Oil</b></p> <p>3.SL.1 – Listen actively and adjust the use of spoken language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes.</p> <p>3.SL.2.4 – Ask questions to check understanding of information presented, stay on topic, and link comments to the remarks of others.</p> | <p>3.RN.2.1 – Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.</p> <p>3.SL.3.2 – Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.</p> <p><u>Science</u></p> <p><b>Demonstration or Hands on: Breaking down a Soybean Pod</b></p> <p>3.LS.3 – Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.</p> <p><u>Math</u></p> <p><b>Introduction to Soybean Production</b></p> <p>3.M.2 – Choose and use appropriate units and tools to estimate and measure length, weight, and temperature. Estimate and measure length to a quarter-inch, weight in pounds, and temperature in degree Celsius and Fahrenheit.</p> <p>3.M.5 – Find the area of a rectangle with whole-number side lengths by modeling with unit squares and show that the area is the same as would be found by multiplying the side lengths. Identify and draw rectangles with the same perimeter and different areas or with the same area and different perimeters.</p> <p><u>Stem</u></p> <p><b>Introduction to Soybean Production</b></p> <p>3.IPS.1 – Plan and conduct an investigation to answer a specific question or solve a specific problem.</p> <p>3.IDL.2 – Review and compile information from multiple sources to solve a problem.</p> <p><b>Pressing Soybean Oil</b></p> <p>3.DM.3 – Evaluate reasonableness of observations, results, and solutions throughout processes.</p> <p><b>Soybean Products</b></p> <p>3.CC.2. Communicate the solution(s) of a problem/analysis either orally, visually, or in writing, including process steps, findings, or conclusions.</p> |

## **Fourth Grade Standards by Lessons**

| English/ Language Arts   | Math   |
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| <p><b>Introduction to Soybean Production</b></p> <p>4.RV.3.2 – Determine the meanings of general academic and content-specific words and phrases in a nonfiction text relevant to a fourth-grade topic or subject area.</p> <p>4.RF.3 – Orally read grade-level appropriate or higher texts smoothly and accurately with expression that connotes comprehension.</p> <p>4.CC.4 – Identify and use evidence a speaker provides to support particular points.</p> <p>4.W.7 – Demonstrate command of capitalization, punctuation, and spelling, focusing on:</p> <p>4.W.7.a. – Capitalization – Capitalizing names of magazines, newspapers, works of art, musical compositions, organization, and the first word in quotations, when appropriate.</p> <p>4.W.7.b Punctuation – Correctly using apostrophes to form possessive and contraction. Correctly sing quotations marks and commas to make. direct speech. Using a comma before a coordination conjunction in a compound sentence.</p> <p>4.W.7.c – Spelling – Using spelling patterns and generalizations (e.g., word families, position-based spellings, syllable patterns, ending rules, meaningful words parts, homophones/homographs) in writing single and multisyllable words.</p> <p>4.W.2.1 – Write legibly in print or cursive, forming letters and words that can be read by others</p> <p>4.SL.2.2 – Explore ideas under discussion by drawing on readings and other information.</p> <p><b>Breaking Down a Soybean Pod</b></p> <p>4.RC.7 - Describe the organizational structure (e.g., chronological, problem-solution, comparison/contrast, procedural, cause/effect, sequential, description) of events, ideas, concepts, or information in a text or part of a text.</p> <p>4.SL.2.2 – Explore ideas under discussion by drawing on readings and other information</p> <p>4.SL.2.3 – Demonstrate knowledge and use of agreed-upon rules for discussion and carry out assigned roles.</p> <p><b>The Journey of a Soybean</b></p> <p>4.RC.5 – Determine the main idea of a text and explain how it is supported by key details; summarize the text.</p> <p>4.RC.7 - Describe the organizational structure (e.g., chronological, problem-solution, comparison/contrast, procedural, cause/effect, sequential, description) of events, ideas, concepts, or information in a text or part of a text.</p> <p>4.CC.3 – Summarize major ideas and supportive evidence form text read aloud or information presented in diverse media and formats, including visually, quantitatively, and orally.</p> <p>4.CC.4 – Identify and use evidence a speaker provides to support points.</p> <p><b>Pressing Soybean Oil</b></p> <p>4.CC.1 – Pose and respond to specific questions to clarify or follow up on information and make comments that contribute to the discussion and link to the remarks of others.</p> <p><b>Soybean Products/ Game</b></p> <p>4.CC.4 – Identify and use evidence a speaker provides to support particular points</p> <p>4.RC.10 – Apply context clues (e.g., word, phrases, sentence, and paragraph context) and text features (e.g., charts, headings/subheadings, font/format) to determine the meanings of unknown words.</p> <p><b>Science</b></p> <p><b>Breaking Down a Soybean Pod</b></p> <p>4.LS.1.1 – Construct an argument that plants and animals have internal and external structure that function to support survival, growth, behavior, and reproduction.</p> | <p><b>Introduction to Soybean Production</b></p> <p>4.M.4 – Apply the area and perimeter formulas for rectangles to solve real-world and other mathematical problems. Investigate the area of complex shapes composed of rectangles by decomposing them into non-overlapping parts; apply this technique to solve real-world problems and other mathematical problems.</p> <p><b>Stem</b></p> <p><b>Introduction to Soybean Production</b></p> <p>4.IPS.1 – Plan and conduct an investigation to answer a specific question or solve a specific problem.</p> <p>4.IDL.2 – Review and compile information from multiple sources to solve a problem</p> <p><b>The Journey of the Soybean</b></p> <p>4.CC.4 – Communicate specific constraints and criteria established for an investigation</p> <p><b>Pressing Soybean Oil</b></p> <p>4.DM.3 – Evaluate reasonableness of observation, results, and solutions throughout processes.</p> <p>4.DM.4 – Choose data sets and analysis methods to support the inquiry process.</p> <p><b>Soybean Products/ Game</b></p> <p>4.CC.2 – Communicate the solution(s) of a problem/analysis either orally, visually, or in writing, including process steps, findings or conclusions.</p> |

## Fifth Grade Standards by Lessons

| English/ Language Arts   |  |
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| <p><b>Introduction to Soybean Production</b><br/>5.RF.2 – Orally read grade-level appropriate or higher texts smoothly and accurately, with expression that connotes comprehension.<br/>5.W.7 – Demonstrate command of capitalization, punctuation, and spelling, focusing on:<br/>5.W.7.a – Capitalization – Applying correct usage of capitalization in writing<br/>5.W.7.b – Punctuation – Applying correct usage of apostrophes and quotation marks in writing. Using a comma for appositives, to set off the words yes and no, to set off a tag question from the rest of the sentence, and to indicate direct address.<br/>5.W.7.c – Spelling – Applying correct spelling patterns and generalizations in writing.<br/>5.CC.2 – Pose and respond to specific questions by making comments that contribute to the discussion and elaborate on the remarks of others.<br/>5.RV.3.2 – Determine the meanings of general academic and content-specific words and phrases in a nonfiction text relevant to a fifth-grade topic or subject area.</p> <p><b>Breaking down a Soybean Pod</b><br/>5.RC.10 – Combine information from several texts or digital sources on the same topic in order to demonstrate knowledge about the subject.<br/>5.SL.2.3 – Establish and follow agreed-upon rules for discussion<br/>5.SL.3.2 – Summarize a speaker’s points as they relate to main ideas or supporting details and demonstrate how claims are supported by reasons and evidence.</p> <p><b>The Journey of a Soybean</b><br/>5.CC.3 – Orally summarize or respond to a written text read aloud or information present in diverse media and formats, including visually, quantitatively, and orally.</p> <p><b>Pressing Soybean Oil</b><br/>5.SL.2.3 – Establish and follow agreed-upon rules for discussion<br/>5.SL.3.2 – Summarize a speaker’s points as they relate to main ideas or supporting details and demonstrate how claims are supported by reasons and evidence.</p> <p><b>Soybean Products/Game</b><br/>5.CC.3 – Orally summarize or respond to a written text read aloud or information present in diverse media and formats, including visually, quantitatively, and orally.</p> <p><b>Science</b></p> <p><b>Breaking Down a Soybean Pod</b><br/>5.PS1.3 – Make observations and measurements to identify materials based on their properties.<br/>5.ESS1.1 - Support an argument that plants get the materials they need for growth chiefly from air and water.</p> <p><b>Pressing Soybean Oil</b><br/>5.PS1.3 – Make observations and measurements to identify materials based on their properties.</p> <p><b>Stem</b></p> <p><b>Introduction to Soybean production</b><br/>5.IPS.1 – Plan and conduct an investigation to answer a specific question or solve a specific problem.<br/>5.IDL.2 – Review and compile information from multiple sources to solve a problem.</p> <p><b>The Journey of a Soybean</b><br/>5.CC.4 – Communicate specific constraints and criteria established for an investigation.</p> | <p><b>Pressing Soybean Oil</b><br/>5.DM.2 - Construct visual representations defined in grade level content standards (e.g., bar graphs, charts, line plots) to determine patterns, using digital tools when possible and feasible.<br/>observations, results, and solution throughout processes.</p> <p><b>Soybean Products/ Game</b><br/>5.CC.2 - Communicate the solution(s) of a problem/analysis either orally, visually, or in writing, including process steps, findings or conclusions</p> |

## Sixth Grade Standards by Lessons

| Reading/ Language Arts  | Stem   |
|---|--|
| <p><b>Introduction to Soybean Production</b><br/>           6.RC.7 – Determine an author’s perspective or purpose in a text and explain how it is conveyed in the text.<br/>           6.RC.1 – Analyze what a text says explicitly as well as draw inferences from the text through citing textual evidence.<br/>           6.RV.3.2 – Determine the meaning of words and phrases as they are used in a nonfiction text, including figurative, connotative, and technical meanings.<br/>           6.W.7 – Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling focusing on:<br/>           6.W.7a – Punctuation – Using punctuation (e.g., commas, parentheses, dashes) to set off nonrestrictive/parenthetical elements. Using semicolons to connect main clauses and colons to introduce a list or quotation.<br/>           6.CC.2 – Pose and respond to specific questions with elaboration and detail by making comments that contribute to the topic, text, or issue under discussion.</p> <p><b>Breaking Down a Soybean Pod</b><br/>           6.RC.10 – Use context clues to determine or clarify the meaning of words and phrases.<br/>           6.CC.1 – Engage effectively in a range of collaborative discussions (e.g., one-on-one, in groups, and teacher-led) on grade-appropriate topics, texts, and issues, building on others’ ideas and expressing personal ideas clearly.</p> <p><b>The Journey of a Soybean</b><br/>           6.RC.1 – Analyze what a text says explicitly as well as draw inferences from the text through citing textual evidence.<br/>           6.RC.5 – Determine how a central idea of a text is conveyed through particular details; provide an objective summary of the text.<br/>           6.CC.8 – Use evidence to evaluate the accuracy of information resented in multiple media messages</p> <p><b>Pressing Soybean Oil</b><br/>           6.SL.3.2 – Follow rules for considerate discussions, set specific goals and deadline, and define individual roles as needed.<br/>           6.CC.8 – Use evidence to evaluate the accuracy of information resented in multiple media messages.</p> <p><b>Soybean Product/ Game</b><br/>           6.CC.1 – Engage effectively in a range of collaborative discussions (e.g., one-on-one, in groups, and teacher-led) on grade-appropriate topics, texts, and issues, building on others’ ideas and expressing personal ideas clearly.</p> | <p><b>Introduction to Soybean Production</b><br/>           6.CC.2 – Communicate the solutions(s) of a problem/analysis either orally, visually, or in writing, including process steps, finds, or conclusions.</p> <p><b>Breaking Down a Soybean Pod</b><br/>           6.DM.3 – Use approximations and evaluate reasonableness of observations, results, and solutions throughout process.</p> <p><b>The Journey of a Soybean</b><br/>           6.IDL.2 – Review and compile information from multiple sources to solve a problem.</p> <p><b>Pressing Soybean Oil</b><br/>           6.DM.3 – Use approximations and evaluate reasonableness of observations, results, and solutions throughout process.</p> <p><b>Soybean Products/Game</b><br/>           6.CC.2 – Communicate the solutions(s) of a problem/analysis either orally, visually, or in writing, including process steps, finds, or conclusions.<br/>           6.CC.5 – Evaluate competing solitons or arguments in a systematic way bade on qualitative and/or quantitative evidence</p> |
| <p><b>Science</b></p> <p><b>Introduction to Soybean Production</b><br/>           SEPS.8 – Obtaining, Evaluating, and Communicating Information</p> <p><b>Breaking Down a Soybean Pod</b><br/>           SEPS.2 – Developing and using models and tools.</p> <p><b>The Journey of a Soybean</b><br/>           SEPS.8 – Obtaining, Evaluating, and Communicating Information.</p> <p><b>Pressing Soybean Oil</b><br/>           SEPS.2 – Developing and using models and tools.</p> <p><b>Soybean Product/ Game</b><br/>           SEPS.4 – Analyzing and Interpreting Data</p> <p><b>Math</b></p> <p><b>Soybean Products/ Game</b><br/>           6.NS.5 – Know commonly used fractions (halves, thirds, fourths, fifths, eighths, tenths) and their decimals and percent equivalents. Convert between any two representations (fractions, decimals, percents) of positive rational numbers without the use of a calculator.</p>   |  |