<table>
<thead>
<tr>
<th>Lesson</th>
<th>Common Core State Standards and Next Generation Science Standards Met</th>
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</table>
| Lesson 1: What Is Change? | NGSS: 2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.  
CCSS-ELA: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups. |
| Lesson 2: What Is a Scientist? | CCSS-ELA: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
CCSS-ELA: SL.2.2 Recount or describe key ideas or details from a text read aloud or information presented orally or through other media. |
| Lesson 3: Introduction to Matter | NGSS: 2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.  
CCSS-ELA: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups. |
| Lesson 4: What Scientists Do: Observe, Question, Learn More | NGSS: 2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.  
CCSS-ELA: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups. |
| Lesson 5: What Scientists Do: Experiment, Create Meaning, Tell Others | NGSS: 2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.  
NGSS: 2-PS1-2. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.  
CCSS-ELA: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
CCSS-ELA: L.2.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 2 reading and content, choosing flexibly from an array of strategies. |
| Lesson 6: The Case of the Mystery Goop | NGSS: 2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.  
NGSS: 2-PS1-2. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.  
CCSS-ELA: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups.  
CCSS-ELA: L.2.4 Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 2 reading and content, choosing flexibly from an array of strategies. |
| Lesson 7: Physical Changes by Changing Temperature | NGSS: 2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.  
NGSS: 2-PS1-4. Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.  
CCSS-ELA: SL.2.1 Participate in collaborative conversations with diverse partners about grade 2 topics and texts with peers and adults in small and larger groups. |
| Lesson 8: Who Stole the Principal’s Water? | NGSS: 2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.  
NGSS: 2-PS1-4. Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.  
CCSS-ELA: SL.3.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics and texts, building on others’ ideas and expressing their own clearly. |
| Lesson 9: Who Stole the Principal’s Water? Part II | NGSS: 2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.  
NGSS: 2-PS1-4. Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.  
CCSS-ELA: SL.3.1 Engage effectively in a range of collaborative discussions (one-on-one, in groups, and teacher-led) with diverse partners on grade 3 topics and texts, building on others’ ideas and expressing their own clearly. |
| Lesson 10: Measuring Mass | NGSS: 2-PS1-4. Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.  
CCSS-Math: 3.MD.A Solve problems involving measurement and estimation. |
| Lesson 11: Measuring Volume | NGSS: 2-PS1-3. Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object.  
CCSS-Math: 4.MD.A Solve problems involving measurement and conversion of measurements.  
CCSS-ELA: SL.2.2 Recount or describe key ideas or details from a text read aloud or information presented orally or through other media. |
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<td>Lesson 12: Evaporation Findings</td>
<td>NGSS: 2-PS1-4. Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.</td>
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<td>Lesson 13: Condensation</td>
<td>NGSS: 2-PS1-4. Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.</td>
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<td>Lesson 14: Planning the Investigation and Hosting the Matter Conference</td>
<td>CCSS-ELA: W.2.2 Write informative/explanatory texts in which they introduce a topic, use facts and definitions to develop points, and provide a concluding statement or section.</td>
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<td>Lesson 15: Concluding the Unit</td>
<td>CCSS-ELA: W.2.6 With guidance and support from adults, use a variety of digital tools to produce and publish writing, including in collaboration with peers.</td>
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<td>CCSS-ELA: W.2.8 Recall information from experiences or gather information from provided sources to answer a question.</td>
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<td>CCSS-ELA: W.3.2 Write informative/explanatory texts to examine a topic and convey ideas and information clearly.</td>
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<td>CCSS-ELA: W.3.6 With guidance and support from adults, use technology to produce and publish writing (using keyboarding skills) as well as to interact and collaborate with others.</td>
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<td>CCSS-ELA: SL.3.4 Report on a topic or text, tell a story, or recount an experience with appropriate facts and relevant, descriptive details, speaking clearly at an understandable pace.</td>
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