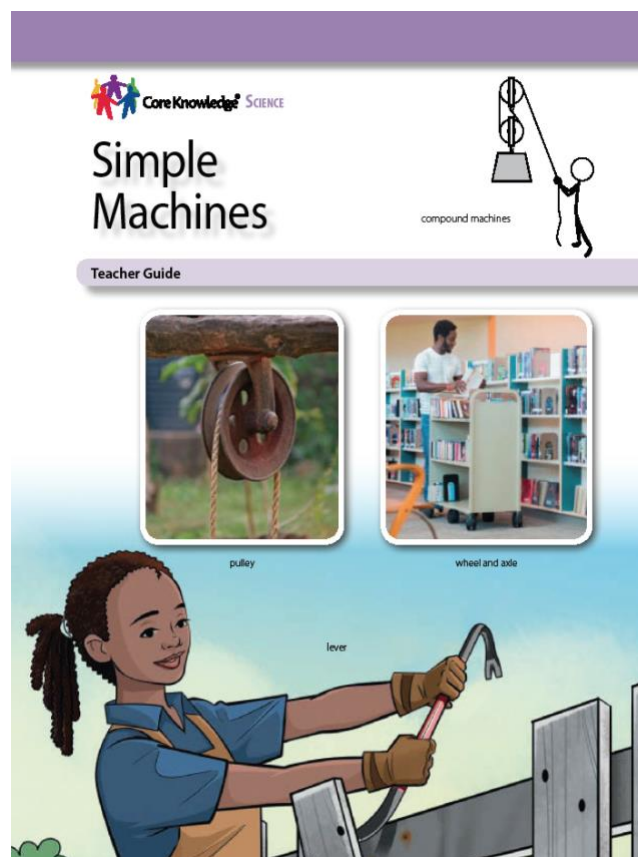


## Simple Machines

Click on each lesson to access its online resources. Page numbers refer to pages in the Teacher Guide. Some links provide access to files created by the Core Knowledge Foundation, including PDF documents that you can download and view with the appropriate software (such as [Adobe Acrobat Reader DC](#)).

## About this Unit

Page	Resource Links
2	<a href="#">To see an overview of the entire Core Knowledge Science program, visit this page.</a>
3	<p>This unit has been influenced by the following Next Generation Science Standards (NGSS) Performance Expectations:</p> <p>Topic—Engineering and Design</p> <ul style="list-style-type: none"> <li>• <a href="#">K-2-ETS1-1</a></li> <li>• <a href="#">K-2-ETS1-2</a></li> <li>• <a href="#">K-2-ETS1-3</a></li> <li>• <a href="#">DCI</a></li> <li>• <a href="#">CCC</a></li> <li>• <a href="#">SEP</a></li> </ul>
9	<a href="#">Recommended Science Trade Books</a>
10	<ul style="list-style-type: none"> <li>• <a href="#">Resources for Effective and Safe Classroom Activities</a></li> <li>• <a href="#">Materials Supply List: Grade K Unit 4 Weather Patterns</a></li> </ul>



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## Lessons 1–10

Page	Resource Links
<b>16</b> (Lesson 1)	[VIDEO] <a href="#">Old MacDonald Had a Farm</a>
<b>18</b> (Lesson 1)	[VIDEO] <a href="#">Historical Farm Field Trip</a>
<b>22</b> (Lesson 2)	[IMAGE] <a href="#">Ramp Surface</a>
<b>26</b> (Lesson 3)	[VIDEO] <a href="#">Wheeled Vehicles Music Video</a>
<b>37</b> (Lesson 4)	[VIDEO] <a href="#">Pumpkin Catapult</a>
<b>41</b> (Lesson 6)	[VIDEO] <a href="#">Seesaw</a>
<b>46</b> (Lesson 7)	[VIDEO] <a href="#">Boats for Kids</a>
<b>51</b> (Lesson 8)	[VIDEO] <a href="#">Gear Exhibit</a> [VIDEO] <a href="#">Additional Gears Option</a>
<b>53</b> (Lesson 8)	[INTERACTIVE APP] <a href="#">Crazy Gears</a> [VIDEO] <a href="#">Water Wheel Example</a> (teacher support)
<b>57</b> (Lesson 9)	[VIDEO] <a href="#">Water Screw</a> (0:27 to 0:48)
<b>60</b> (Lesson 10)	[VIDEO] <a href="#">Squirrel Feeder Plans</a> [VIDEO] <a href="#">Squirrel Feeder in Action</a>

NOTE: Preview all videos, and cue beyond introductory advertisements before classroom display. Many video clips are best displayed with the sound muted and supported by teacher explanation.

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## Teacher Resources

Page	Resource Links
10	<a href="#">Resources for Effective and Safe Classroom Activities</a> <a href="#">Materials Supply List: Grade 1 Unit 4 <i>Simple Machines</i></a>
75	<a href="#">Activity Pages Answer Key</a>
78	Safety in the Science Classroom: <ul style="list-style-type: none"> <li>• <a href="#">NSTA Safety Resources</a></li> <li>• <a href="#">Safety Resources for Elementary Teachers</a></li> </ul>
	<b>Teacher Guide Appendices:</b> <ul style="list-style-type: none"> <li>• <a href="#">Appendix A: Glossary</a></li> <li>• <a href="#">Appendix B: Safety for Activities</a></li> <li>• <a href="#">Appendix C: Strategies for Acquiring Materials</a></li> <li>• <a href="#">Appendix D: Advance Preparation</a></li> <li>• <a href="#">Appendix E: Unexpected Activity Results</a></li> </ul>

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