

# 1st Grade Technology Pacing Guide

Weeks	Unit Title	Focus & Learning Goals
1–6	<b>Unit 1: Devices &amp; Systems</b>	<ul style="list-style-type: none"><li>● select and operate devices</li><li>● explain hardware/software</li><li>● describe problems</li><li>● model networks and Internet usage</li></ul>
7–12	<b>Unit 2: Security &amp; Connections</b>	<ul style="list-style-type: none"><li>● create/passwords;</li><li>● explain device security;</li><li>● compare pre/post tech;</li><li>● model connections</li></ul>
13–18	<b>Unit 3: Data &amp; Visualization</b>	<ul style="list-style-type: none"><li>● collect/present data (including climate) store/manage data</li><li>● identify patterns</li><li>● make predictions</li></ul>
19–24	<b>Unit 4: Algorithms &amp; Programming</b>	<ul style="list-style-type: none"><li>● model algorithms</li><li>● represent data</li><li>● write sequence/simple loop programs</li><li>● break down tasks</li><li>● debug</li></ul>
25–30	<b>Unit 5: Design Thinking — Build &amp; Explore</b>	<ul style="list-style-type: none"><li>● communicate function</li><li>● collaborate and build</li><li>● identify constraints</li><li>● understand natural vs. tech products</li></ul>
31–36	<b>Unit 6: Design Thinking — Resources &amp; Community</b>	<ul style="list-style-type: none"><li>● prototype community solution</li><li>● analyze resources, recycling, global tech differences, environmental effects</li></ul>