

## Technology & Design Part 2 (pgs 343 - 380)

### Effort Credit

Vocabulary Smart Cards (3)

At-Home Lab: "Kitchen Technology" WS sent home to parents (pg 354)

Go Green Research - pg 362

Investigate the Changes in Transportation over the 20th Century - Make a Timeline showing at least 6 Technological Advancements (eg. windshield wipers, magnetic trains, etc)

<b>Day 1</b>	<p>Inquiry - Try It! Page 344 "How can you design a hovercraft?"</p> <p>Divide students into pairs</p> <p>Complete page</p> <p>SHOW &amp; TELL HOVERCRAFTS</p> <p>HW: Cause &amp; Effect pg 345</p>
<b>Day 2 &amp; 3</b>	<p>STEM Activity - "What's Inside?" (pgs 346 - 349)</p> <ul style="list-style-type: none"><li>● Pre-Activity Discussion - triangles &amp; squares &amp; rectangles</li></ul> <p>Read prompt together</p> <p>"Know vs Need to Know" Q&amp;A</p> <p>Divide class into 4 members per group</p> <p>Students should work together in their groups to complete the STEM Activity.</p> <p>HW: All questions should be finished as homework if not complete by 2nd day.</p>
<b>Day 4</b>	<p>Students should DISCUSS Post-Activity Discussion Questions on TE 348</p>

	<p>LESSON 1 - What is Technology?</p> <p>Read aloud pgs 350 - 355 completing questions individually, PAIR &amp; SHARE</p> <p>HW: Lesson Check 1 (pg TE 355b)</p>
<b>Day 5</b>	<p>LESSON 2 - What is the Design Process?</p> <p>Inquiry - Explore It! Pg 356</p> <ul style="list-style-type: none"> <li>• Copies of Planes at end of Chapter</li> </ul> <p>Read aloud pgs 357 - 363 completing questions individually</p> <p>HW: "Do the Math!" pg 361</p>
<b>Day 6</b>	<p>WS: Lesson Check 2 (TE pg 363b)</p>
<b>Day 7</b>	<p>Directed Inquiry: Investigate It! (TE pg 365b)</p> <p>Differentiation - "Modify Your Investigation" (TE pg 365c)</p> <p>"Which boat design will hold more cargo?"</p> <ul style="list-style-type: none"> <li>• Plastic Tubs (1 for each group)</li> </ul>
<b>Day 8</b>	<p>Share Boat Results</p> <p>STEM: Submersibles pg 366</p> <p>Part 2: Benchmark Practice pg 372 - Individually &amp; Check Together</p>
<b>Day 9</b>	<p>Review for Part 2 Test</p>
<b>Day 10 - 12</b>	<p>Hands-on Test "Inquiry - Design It!"</p> <ul style="list-style-type: none"> <li>• CHROMEBOOKS - used separately to gather ideas &amp; recognize constraints</li> </ul> <p>What design will carry cargo best?</p> <p>Provide students with a Rubric &amp; Design Process Worksheet</p>

