PING-PONG!

Designing Biocomposite Ping-Pong Paddles
Objectives

1. Research paddle designs
2. Brainstorm paddle design
3. Build ping-pong paddles
TOP 10 CRAZIEST TABLE TENNIS SHOTS 2017
Make Observations
Deconstructing a Store-Bought Model
Other Trial Examples
Finished Products
Your Job

Design, build, and test your own ping-pong paddles. With your group, choose one item from each column that you feel will make the best paddle.

<table>
<thead>
<tr>
<th>Materials for core</th>
<th>Materials for coating</th>
<th>Materials for covering</th>
</tr>
</thead>
<tbody>
<tr>
<td>● balsa wood</td>
<td>● shellac</td>
<td>● foam &amp; rubber</td>
</tr>
<tr>
<td>● cardboard</td>
<td>● polyurethane</td>
<td>● shelf liner</td>
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</tbody>
</table>

You will test your design for ball control, paddle wear, and player comfort. Keep these factors in mind when choosing your materials.
Evaluation

• Finish assembling your design
• Test your design vs. a store bought example
• Compare and contrast your design
• Redesign (or iterate) if needed!