Make Your Own Glue

What you need:
- Powdered milk
- Warm/hot water
- Vinegar
- Baking soda
- Paper towel
- Cup and spoon

What to do:

1. Mix 2 tablespoons of warm tap water with 1 tablespoon of powdered milk in a cup, and stir it until the powder is completely dissolved.

2. Stir ½ tablespoon of vinegar into the milk. The milk will separate into curds (solid lumps) and whey (watery liquid). Continue stirring until the milk is well-separated.

3. Place the paper towel over a cup or sink, and pour the curds and whey into it. Gently squeeze out all the whey and discard it. Put the drained curds back into your cup.

4. Use your spoon to break the curd up into small pieces.

5. Add ½ teaspoon of hot water and 1/8 teaspoon baking soda to the curd. (Does it foam a bit?) Mix thoroughly until the glue becomes smooth and more liquid. If it is too thick, add a bit more water. If it is too lumpy, add more baking soda.

6. Test your glue by comparing it to store-bought glues. How sticky is it?

<table>
<thead>
<tr>
<th>Type of Glue</th>
<th>Number of Pennies in Envelope</th>
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</thead>
<tbody>
<tr>
<td>Home-made paste</td>
<td></td>
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<tr>
<td>Glue stick</td>
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<td>White glue</td>
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