### SCIENCE

1. **Experiment:** Using tea bags or coffee grounds, brew one sample in cold water, and one in hot water. You can use [this worksheet](#).

2. **Watch this video** about how to build a sculpture. Then write your own instruction list for how to make pizza or cookies. Be sure to list each step in order.

3. **Watch this video** about designing paper boats. Now it’s your turn to design your own paper boat! Test out your boat and record how much weight it could hold. By Girls Do STEAM

4. **Watch this video** about the art in maps. It’s your turn to design your own map. Make a map of your room, house, apartment, park, etc.

### TECH

5. **Watch this video** about a swingset. Now you create your own questions about a different part of the playground. [Click here](#) for the worksheet.

### ENGINEER

6. **Watch this video** about plant symmetry. Then find at least 3 plants and decide if they are symmetrical or not.

7. Use a camera to take photos of at least 2 things that are technology but are NOT devices. (No phones or computers) Why do you think these objects are technology?

8. **Watch this video** about gears. Using a phone or camera, take a photo of an object that uses gears.

9. Take a photo of any parts of a plant - roots, leaves, wood, knots, flowers, fruit, etc. Then, write a short story or poetry inspired by your photograph. Refer to page 17 of this PDF.

### ART

10. **Watch this video** about estimating the number of books on library shelves. Find out how many books are in your space. Do this without counting each one!

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="#" alt="QR Code" /></td>
<td><img src="#" alt="QR Code" /></td>
</tr>
</tbody>
</table>

We are grateful for our partners and collaborators including (superscripts refer to box numbers above):  

1. Starbucks Community Cafe  
2. UT Dallas  
3. Girls Do STEAM  
4. Mount Auburn STEAM Academy  
5. White Rock Montessori