



## Machines in Your Kitchen

### Learning Objectives

- Discover what a machine is
- Discover what machine can be used in the kitchen to mix ingredients together
- Observe different types of machines
- Observe what a mixer is
- Discuss what parts work together to make whipped cream while using an electric mixer

### What is a Machine?

- It is a device that does a physical task - that means it does a job.
- Machines help move things, carry people from place to place, and they help to build things and make things
- This mixer<sup>1</sup> is a machine that helps to mix ingredients together
  - A mixer is a type of simple machine called a wheel and axle
  - Mixers can help us make sweets like cake and whipped cream!



<sup>1</sup> <https://www.pexels.com/photo/yellow-kitchenaid-stand-mixer-1450903/>



# SEEK

## A LEARNING COMMUNITY

Smithsonian Early  
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### Different Kind of Machines

#### Kitchen Machines



#### Non-Kitchen Machines



<sup>2</sup> <https://pixabay.com/photos/blender-mixer-juicer-food-processor-10933/>

<sup>3</sup> <https://pixabay.com/photos/hands-stir-dough-stir-cake-mix-3402536/>

<sup>4</sup> <https://www.pexels.com/photo/car-vehicle-automobile-range-rover-116675/>

<sup>5</sup> <https://www.pexels.com/photo/orange-excavator-on-brown-hill-1116035/>



## Careful Looking

### Cakes by Wayne Thiebaud<sup>6</sup>

- Look carefully at the photo:



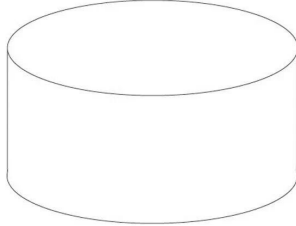
### Guiding Questions

- What do you see in the painting?
- What colors do you see?
- What do you like about the picture?
- What title would you give this picture?
- What could be added?
- What shapes do you see?

<sup>6</sup> <https://www.nga.gov/collection/art-object-page.72040.html>



## Painting Cakes

Questions and Extensions	Set-Up and Directions
<p>Questions:</p> <ul style="list-style-type: none"><li>• What goes on top of a cake?</li><li>• What colors can you mix together to make other colors?</li></ul> <p>Extensions:</p> <ul style="list-style-type: none"><li>• To make this activity more challenging, have your child help you cut out the cake shapes</li><li>• Write out the word <i>WU_Y</i> and see if your child can point to each letter in the word and tell you what it is</li><li>• If you're feeling adventurous, bake a cake with your child and help them frost and decorate it!</li></ul>	<p>Materials Needed:</p> <ul style="list-style-type: none"><li>• Paper</li><li>• Paint or Markers</li></ul> <p>Directions</p> <ol style="list-style-type: none"><li>1. Cut pieces of paper into cake shapes<sup>7</sup>. These can be small, large, round or square</li><li>2. Let your child mix different paints and pretend it's icing, then have them frost their cakes - they can use paintbrushes or their fingers<ol style="list-style-type: none"><li>a. If you do not have paint, you can use markers or crayons</li><li>b. Use chalk if you choose to do this activity outside!</li></ol></li></ol> 

<sup>7</sup> <https://paintingvalley.com/cake-sketching-template>

