

# Home Learning Activity Plan

<b>Name of activity.</b> Jelly Bean Engineering	<b>Ages</b>	3 + year old's
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## Wyoming Early Learning Standard(s) addressed:

Creative Arts ; Mathematics Knowledge & Skills ; Logic & Reasoning; and Science Knowledge & Skills

## Learning Outcomes.

The child will demonstrate problem solving skills by creating a simple structure using only two materials.

## Materials in the home

Toothpicks and jelly beans (alternatives could be spaghetti noodles, marshmallows, stir sticks, gummy snacks)

## Activity description

The students will create a simple structure (like a house) using only two sets of materials.

They will have a pile of a simple household item that is long and thin, but sturdy (toothpicks, spaghetti noodles, coffee stir sticks) and something sticky that can be used as an adhesive (jelly beans, marshmallows, gummy snacks).

The students will build their object and then using their own problem-solving skills and creativity. Parents can ask the child why he/she is building the structure the way they are or ask them to tell you about it when they are done.

For a challenge have the child create the structure in a set time frame and/or create it in a contest setting with a sibling.

## Multiple ways to recruit your child's interest and engagement

The child's natural curiosity should take over and allow them to be interested. The more colorful the items the better, which is why jelly beans were suggested. They also align well with springtime and Easter. Questioning them and adding the twists will help engage them.

## Multiple ways to share information with your child

Talk to them and give them oral directions. Show them a video of the activity or a similar one (You Tube). Show them pictures. Model for them. Make one yourself and video it for them to watch as they complete their own.

## Multiple ways for your child to demonstrate what he or she knows and can do

By making several structures. Using a variety of different objects. Drawing a picture of the item before the create it. Explaining what they plan to do or what they have done. Create a video with the various steps. Asking them questions through out the process.

## Ways to encourage language during the activity

By asking them questions. Having them repeat the directions. Asking them to describe their steps. Asking them to explain what they have created.

**What did you notice about your child during the activity?**

**What did your child show you that he or she knows and can do?**

**What was most successful during this activity?**

**What would you like try next time?**

**What did you do well during this interaction?**

**What questions would you like to ask your child's teacher?**



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