

Fun/STEM/HE

Activity

Seven



# Lets make slime

## Ingredients

- 1 cup of PVA Glue
- 2 cups of Foaming Shaving Cream
- Food Colouring or some paint
- A small amount of 'formil' washing clothes liquid



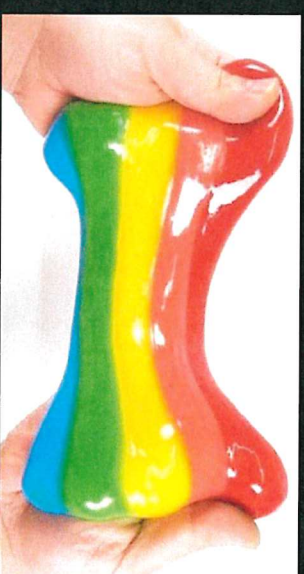
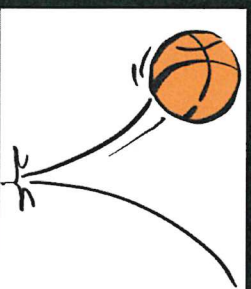
## Method

- Measure 2 cups of shaving cream into a bowl
- Next, add a 1 cup of PVA glue to the shaving cream and mix well.
- Add colour of your choice- either add a few drops of food colouring until desired colour is reached or alternatively add a few squirts of paint and mix until a consistent colour is got.
- Add the washing liquid bit by bit, constantly mixing together.
- Whenever the mixture starts to come away from the sides and begins to resemble a sticky texture, begin working with it in your hands.
- Continue to add small amounts of the washing liquid if necessary until the slime is no longer sticking to your hands and you are able to freely play with it.
- Be careful you don't add too much liquid!!



# Challenge

- What is the longest sausage you can make with your slime?
- Can you stretch it into a flat sheet?
- What happens if you rip it apart quickly?
- Will it bounce?





## Squishy Play

### Marshmallows

Melt in microwave, very sticky.  
Add washing up liquid to make slimy and bubbly

### Mashed Potato

Instant, allow children to mix with Water, add food colouring.

## Bubble Squish

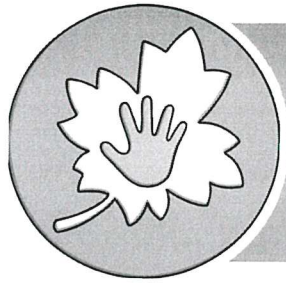
- Pour bath foam on table add a yogurt pot of water and mix with hands. Continue as above.
- also could use no tears shampoo if there is a risk of children rubbing eyes.

## Clean Mud

- 1 bar 'Dove' soap
- 1 roll toilet paper
- 1/2 gallon of water

1. In a large tub layer up toilet roll.
  2. Grate soap and sprinkle over paper.
  3. Add warm water.
  4. Leave over night .
  5. Use to make models.
- Great dough that is very Smooth and soft. Hardens quickly and paints well.





# Take it Outside STEM KS1

## Build a Bird's Nest

### Introduction

Sit very quietly. What can you hear? The chances are that a bird will be somewhere nearby. Where does that bird live? Birds use their beaks to weave materials together to build a nest. This STEM challenge encourages you to use your clever fingers to do the same.



### You will need:

- sticks and twigs of different sizes
- feathers
- leaves
- bark
- straw
- grass

### Key Questions

- What material will you use? Why did you choose that material?
- How will your nest stay firm and stable?
- Where would the best place be to build a nest?

### What to do:

1. Set the scene by showing pictures or models of birds. The RSPB have resources available linked to the Big Bird Watch or use these [British Birds Display Photos](#).
2. If you were a bird, where would you choose to live? What materials would you need to build your home? Do you know what a bird's home is called? It might be possible to handle a bird box or even a real nest.
3. Once you've established that birds live in nests, consider what materials they might use to build their nest. You could have a selection of materials to choose from. Try including some red herrings! Expect justification for choices made. For example, leaves and feathers are soft; small sticks are easier to carry in a beak.
4. Now it's time to collect your nest building material. You may prefer to have piles of resources ready to choose from. Alternatively, allow children to collect materials from a designated area. Remember - only collect material from the ground. It is best not to pull leaves and snap branches from trees. You could always have extra material on hand.



5. Once collected, it's time to plan. This could be a discussion or a drawing activity. Maybe it would be suitable to have 'success criteria' for the build. You could use a toy bird seeking a new home. He requires space for three, a soft lining, strong walls, etc.
6. Ready? Steady? Build! This could be done in groups, pairs or as individuals.
7. To evaluate, take the toy bird on a tour of the nest and get the children to explain their designs. Make sure everyone gets to look at each other's designs too.

#### Ways to Support

Some children may need help with fine motor skills. Encourage them to build a larger nest using larger sticks and twigs.

#### Ways to Extend

Some children could build a nest for a specific bird and need to consider its size. Give them plastic eggs and challenge them to build a nest to support them.

#### Curriculum Links

**Science:** Describe physical properties of materials; find out about basic needs for survival; identify suitable habitats and identify and name birds.



## Pasta Carbonara



### Ingredients

1 tblsp of olive oil  
2 slices of smoked bacon  
1 garlic clove  
 $\frac{1}{2}$  onion  
Pasta  
Carbonara sauce  
Cheese

### Equipment

brown chopping board  
red chopping board  
vegetable knife  
scissors  
saucepan  
frying pan  
spatula  
grater  
Colander  
Measuring jug

### **Other option:**

Cream instead of Carbonara Sauce

### Method

1. Collect all equipment.
2. Collect all ingredients.
3. Boil kettle.
4. Finely chop onion and garlic.
5. Chop bacon using scissors
6. Put pasta into boiling water and cook until al dente
7. Heat oil in frying pan.
8. Fry onion, garlic and then bacon.
9. Follow instructions on packet of sauce.
10. Add sauce to frying pan and stir.
11. Grate cheese
12. When pasta is ready strain and add to frying pan. Mix well.
13. Set table and serve pasta with grated cheese on top.