

Year 5 Practical Activities w/c 30th June 2020

Have a look at the following activities. Why not try some of them out? You could send a photograph of your work to your teacher at year5@brampton.newham.sch.uk. The Oak National Academy also has a range of extra-curricular activities, so have a look and try some of those activities out too! <https://www.thenational.academy/>.

English

Look carefully at the picture below and answer the following questions:

Bubble Planets



Credit: https://www.onceuponapicture.co.uk/portfolio_page/bubble-planets/

1. What is this person doing?
2. How old are they?
3. What are they carrying in their sack?
4. Where did he/she come from? Where is he/she going?
5. Did they just discover how to make bubble planets or have they been doing this for a long time?
6. What happens to the bubble planets after they are formed?
7. Are they real planets? Is there life on any of them?
8. Could the idea of a bubble planet have a deeper meaning?
9. If you could create a planet, what would you make it from? What would the environment on your planet be like? Would there be any life? What kinds of creatures would live there? How would you keep your planet a safe place?

Extension activities - choose to write:

- A story about the bubble planet maker
- A biography for this person
- An explanation – How Bubble Planets Are Made
- Instructions – How To Make A Bubble Planet
- A letter to the bubble planet maker from a World Leader whose planet is in danger
- An informative guide to bubble planets

Mathematics

Here's a game you can play on your own or with an adult!

Credit: <https://nrich.maths.org/1130>

Reach 100

Draw a grid of four "boxes":

You must choose four **different** digits from 1–9 and put one in each box.

For example, the grid below gives four two-digit numbers:

5	2
1	9

52 (reading along the 1st row)

19 (reading along the 2nd row)

51 (reading down the left hand column)

29 (reading down the right hand column)

In this case their sum is 151, as $52 + 19 + 51 + 29 = 151$

Try a few examples of your own and answer the following questions:

1. Is there a quick way to tell if the total is going to be even or odd?
2. Can you find four **different** digits that give four two-digit numbers which add to a total of 100.
3. In total, how many ways can you find of doing it?

Science

WHY SOAP WORKS EXPERIMENT!

In this experiment, you are going to find out why soap works and why it is better than using just water to wash your hands.

In the experiment, the surface of the water in the bowl represents your hands. The pepper represents harmful dirt and germs that need to be washed away.

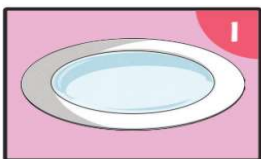
There are two tests in this experiment. They will show you what happens when you wash your hands with and without soap.



YOU WILL NEED:

- | | |
|---|-----------------------|
| • A bowl | • Liquid hand soap |
| • Some water | • A hand towel |
| • A sprinkle of black pepper (or another spice) | • A camera (optional) |

HOW TO SET UP THE EXPERIMENT:



Fill the bowl with water, but not all the way to the top.



Sprinkle some black pepper on to the surface of the water. You should see the black pepper floating.

TOP TIP: TAKE A PICTURE AT EACH STAGE OF THE EXPERIMENT:

PREDICTION 1:

WHAT DO YOU THINK WILL HAPPEN THE FIRST TIME YOU DIP YOUR FINGER INTO THE BOWL?



Test 1: Dip your finger into the centre of the bowl of water. Watch what happens to the pepper and record this.

WHAT ACTUALLY HAPPENED?



Dry your hand, then dip your finger into the liquid hand soap.

PREDICTION 2:

WHAT DO YOU THINK WILL HAPPEN WHEN YOU DIP YOUR FINGER THAT HAS SOAP ON IT INTO THE BOWL?



Test 2: Dip your soapy finger in to the centre of the bowl of water. Watch what happens to the pepper and record this.

WHAT ACTUALLY HAPPENED?

QUESTIONS TO CONSIDER:

- Why was there a difference in the way the pepper behaved when soap was added?
- Why do you think we should use soap to wash our hands?

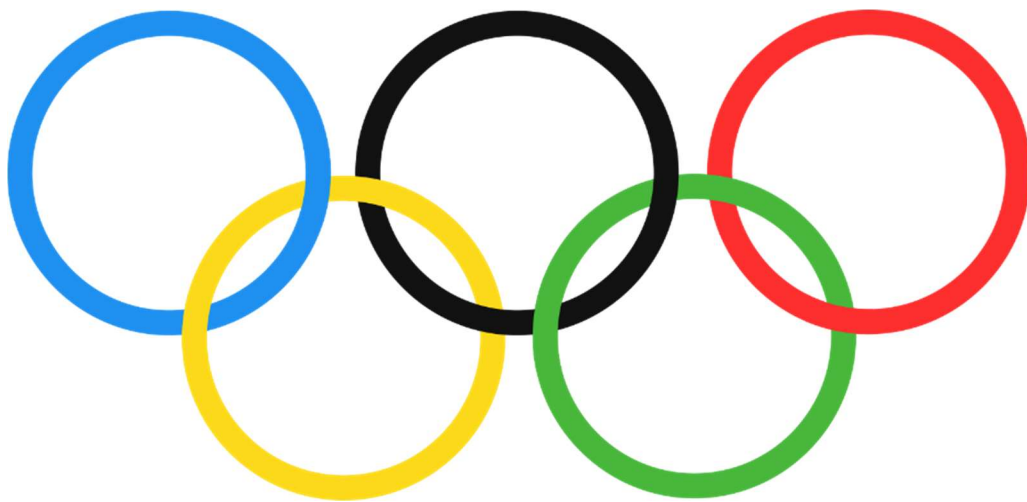
EXTENSION:

Carry out some research into why the pepper behaved differently and write an explanation with diagrams to explain the importance of using soap to wash your hands. Particularly, during this pandemic.

History/D&T:

Each Olympic Games takes place in a different city across the world.

- In 2012, London, UK was the host city.
- In 2016, the Olympics were held in Rio de Janeiro, Brazil.
- The next Olympics would have been held in 2020 in Tokyo, Japan. Unfortunately, due to the Corona Virus, this year's Olympic Games have been postponed.



Your task:

Find out where and when the Olympic Games originated.

Why were the Olympic Games created?

What events took place then and what events take place now.

What do the five rings above represent?

What Olympic medals are awarded?

Design your own Olympic mascot:

An Olympic mascot is more than just a simple design. A lot of thought goes into deciding how the mascot should look.



Did you know that the yellow light on London 2012 mascot Wenlock's head represents a London taxi? The shape of his head is based on the three places on the podium for the winners.

Wenlock

Some mascots even have their own biography. For example, Quatchi, the mascot from the 2010 Vancouver Winter Olympics, lives in the Canadian forest and dreams every day of becoming a hockey goalkeeper. Quatchi also loves to travel!

Quatchi

Hodori

Hodori was the mascot for the Seoul 1988 Summer Olympics.

Your Challenge

Your challenge is to design a brand new Olympic mascot for a city of your choice! Can you find out some facts about the city that you have chosen, and include these in your design? You must also come up with a name and story for your mascot!

Questions to consider:

What will your mascot be called? Try to link to the city of London.

What will your mascot like to do? Give it a personality. What hobbies does it have?

Draw a picture of what your mascot will look like.

Will it wear a special uniform/clothing?

PSHE:

Positivity Jar

I am
magnificent!

I am a
great friend.

I can forgive.

I am loyal.

I am funny!

I can and I will.

I am
courageous.

I am brave!

I can be who I
want to be.

I am talented.

I am
good listener.

I am a
good friend.

I can be
anything I
want to be.

I am
confident.

This jar can be filled with positive words and affirmations about yourself or someone in your household.

The purpose of the jar is to use it whenever you or someone you care about is feeling sad and need to remember all the positive things about yourselves.

You can use an empty jam jar, coffee jar or any other type of storage jar. Feel free to decorate the jar however you wish. You could wrap the jar in some wrapping paper, add some ribbon, pom poms, stickers or even paint it!

The jar should be personal to you or the person you are making it for and it should contain positive words that make you or the person you are making it for feel happy!

Once the jar is complete, take a few minutes everyday to look at it and read the positive notes inside it to remind yourself, or the person you have made it for, how special and amazing you or they are!

