



Week Commencing Monday 13th July **Year 5 and 6**

**PE**

Use the link below to access daily exercise sessions  
<https://durhamcls-ssp.co.uk/>  
**There is also a Durham Dash home learning challenge available.**

Can you try this challenge at home from the Youth Sport Trust?

**60 Second Challenge**  
**Super Slalom Run**

Can you try and run as fast as possible?

**The Physical Challenge**

How many slalom runs can you complete in 60 seconds?

Layout 3 objects 3 steps apart, you must run in and out of the objects and back to the start to complete 1 slalom run.

**#StayHomeStayActive**

**Equipment**

A safe space and 3 objects.

This activity is best played outside, where you have lots of space.

<b>Achieve Gold</b>	
20 Slalom Runs	
<b>Achieve Silver</b>	
18 Slalom Runs	
<b>Achieve Bronze</b>	
12 Slalom Runs	

**PSHE**

Check the school Facebook page for this week's **Rights Respecting School PowerPoint** to discuss at home.

**DT**

During this half term I would like children to design, make and evaluate a waterproof container which can be used to protect precious items during a natural disaster.

Please take photographs of your planning and building processes to share on our school Facebook page.

Something different

**Engineering and science challenges from Dyson**

**SCIENCE CHALLENGE 18**

Designed by Danya, James Dyson Foundation executive

## DANCING RAISINS

---

**The brief**

Make raisins dance up and down in a glass of fizzy drink.

**The method**

- Pour the can of drink into the tall glass.
- Notice the bubbles coming up from the bottom of the glass. The bubbles are carbon dioxide gas released from the liquid.
- Drop a few raisins into the glass. Watch the raisins for a few seconds. Describe what is happening to the raisins.
- Do they sink or float? Keep watching, what happens?

**Materials**

A can of clear, fizzy drink (e.g. lemonade)  
A tall, clear glass  
A handful of raisins

**How does it work?**

Raisins have a higher density than the liquid in the glass, so they sink to the bottom. Carbon dioxide bubbles attach themselves to the raisins increasing their volume while adding very little to their mass. With greater volume, the raisin displaces more fluid. This causes the water to exert greater buoyant force, pushing the raisins upwards. Once the raisins reach the top of the glass the carbon dioxide escapes and the raisins sink again.

**Music**

Listen to the song Cheerleader by OMI  
<https://www.youtube.com/watch?v=aT9-QyzuK4A>  
(This week's YouTube clip is also a dance along video workout)

Discuss the questions;

- What is this song about?
- What can you hear?
- How does the music make you feel?

**Why do you think this?**

**Computing**

[https://www.thinkuknow.co.uk/8\\_10/](https://www.thinkuknow.co.uk/8_10/)  
Explore the think you know website to help you to think about computer safety.

<https://scratch.mit.edu/projects/editor/?tutorial=getStarted>  
Can you choose an online tutorial to create your own game using Scratch?

**Music**

Listen to the song Cheerleader by OMI  
<https://www.youtube.com/watch?v=aT9-QyzuK4A>  
(This week's YouTube clip is also a dance along video workout)

Discuss the questions;

- What is this song about?
- What can you hear?
- How does the music make you feel?

**Why do you think this?**



## Art

This half term we will be looking at the work of Vincent Van Gough.



### **Key questions to consider:**

- What do you like/dislike about this?
- What does the artwork show?

**Can you use resources at home to create a replica of this picture?**

## Science

This half term our topic is **Earth and Space**. This week I would like children to investigate one of the planets in our solar system.

### **Key Learning**

- Can children name the planets in our solar system?
- Can children find facts about their chosen planet?

### **TASK**

**Can you choose a different planet in our solar system and collect research about this?**

Reminder:

You can explore the websites to find out about the planets in our solar system.

<https://www.space.com/16080-solar-system-planets.html>

<https://www.sciencekids.co.nz/sciencefacts/space/solarsystem.html>

Can children explore the order of the planets using the education city game **Solar Stroller?**

## Remember

- Our history learning project is still on the school website.
- Our new geography topic Earthquakes has also been added to the website.
- You have key words to practise reading and spelling
- You have a list of online learning sites you can use. As well as <https://classroomsecrets.co.uk/free-home-learning-packs/> (this website is updated every week)
- Children were given their own login to use Education City

## READING AT HOME

This website is offering free e-books so that you can enjoy reading a range of fiction and non-fiction texts at home.

<https://www.oxfordowl.co.uk/for-home/find-a-book/library-page/>