



Week Commencing Monday 8th June 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

Air Balloon

The Physical Challenge

Can you keep the balloon up in the air for 60 seconds?

If the balloon touches the floor you lose a life. The more lives you lose the lower your score.

#StayHomeStayActive

Can you keep trying even if you lose a life?

Equipment

A balloon

If you do not have a balloon, use scrunched up tissue paper or a bag!

Achieve Gold

Lose 0 lives

Achieve Silver

Lose 1 life

Achieve Bronze

Lose 2 lives

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

Mindfulness
 In our science link, episode 1 with Tim Peake, he discusses **isolation**
<https://www.youtube.com/watch?v=aAfPcxiZbc4>
 This week I would like you to sit in a quiet place at the same time every day and think about something that you are grateful for.

Art

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

FLOATING PING-PONG BALLS

SCIENCE CHALLENGE 03

Designed by Alex,
Design engineer at Dyson

The brief

Make two ping-pong balls float in the air flow of a hair dryer at the same time, without hitting each other.

The method

- Switch on your hairdryer, making sure it is on the cool setting.
- Hold it with the nozzle pointing upwards.
- Place one of the ping-pong balls into the stream of air.
- Try and place another ball into the same stream of air – on top of the first ball.

Materials

- Two ping-pong balls
- A hairdryer (on cool setting)

How does it work?

The hair dryer produces a high velocity stream of air with low pressure. The surrounding air is at a higher pressure which keeps the ball inside the stream. When the upward force of the air equals the weight of the ping-pong ball the ball is said to be in 'equilibrium'.

The theory at work here is Bernoulli's principle. This is an equation linking air pressure, velocity and density with particle weight.

Music
 Listen to Come away with me by Norah Jones
<https://www.youtube.com/watch?v=IbjZPFBD6JU>
 Discuss the questions;
 -What is this song about?
 -What can you hear?
 -How does the music make you feel?
Why do you think this?



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



Wheatfield with Crows is a July 1890 painting by Vincent van Gogh.

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

Astronaut Tim Peake talks about space on YouTube every Monday 11.30

This is the link for Episode 1, there are 4 episodes available.

<https://www.youtube.com/watch?v=aAfPcxiZbc4>

This half term our topic is **Earth and Space**. This week I would like children to explore how the rotation of Earth creates day and night. I would also like the children to investigate how Earth's tilt creates seasons.

Key Learning

- Can children explain how the rotation of Earth on its axis creates day and night?
- Can children explain the apparent movement of the sun across the sky?
- Can children identify how long it takes Earth to make a full rotation?
- Can children use Earth's tilted axis to explain how seasons are created?
- Can children describe the differences in seasons between two locations in opposite hemispheres?

TASK

Explore this website and discuss the answers you have found out for our key learning questions.

<https://spaceplace.nasa.gov/seasons/en/>

Education city: Science year 5 High Noon

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/>