

6th Class

Mr. Hannelly

Mrs. Moran

Weeks Work June 15th -June 19th

A chairde,

We hope you had a lovely weekend and that you remembered to practice proper respiratory etiquette. This is our plan for this week. As usual we just want you to do the best that you can. Do not get stressed out trying to do all the work. Do what you can. We hope that you have enjoyed the links and videos put up over the previous weeks. Take a break by looking at those links.

If you are moving on at a quicker pace don't hesitate to move on to the next chapter.

Zoom: This weeks Zoom meeting is scheduled for Friday the 19th of June at 11am. Keep working at your projects. We look forward to hearing about them on Friday.

Remember There will be a prize for the best project and prizes for the runners up.

Maths: This week you should be moving on to the **Fractions** chapter pages 33 - 38

Do questions from one page each day. So do questions from p.33 on Monday, then do questions from p. 34 on Tuesday etc...

Aim to do **30 minutes** of maths a day. You do not need to do all the questions on each page.

Tables: This week focus on your 7 multiplication and division tables.

Maths: Puzzle

Using only the Aces, Kings, Queens and Jacks from a pack of cards.

Arrange them in a 4 × 4 square so that every row, column and diagonal contains one card of each value (A,J,Q,K) and one card of each suit (Heart, Spade, Diamond, Club).

Maths: last weeks puzzle and solution

This week you have only one puzzle to solve but it's a challenging one. Give it a go and also try and solve the bonus question.

What 9-digit number has the following features:

It has all 9 digits from 1 to 9

It can be exactly divided by 6 and 7

Each time it is rounded (starting with units, then tens, hundreds, etc) it rounds in an alternate pattern (up, down, up, ...), until after rounding 8 times the final number is 500000000

After rounding four times the sum of the digits is 24

Bonus: what is the solution if the rounding goes down, up, down, ...

Solution:

For rounding going up, down, up, ... (solution courtesy Nasir Hassan):

536192748 (the solution)

536192750

536192700

536193000

536190000 (digits add to 24)

536200000

536000000

540000000

500000000 (final number)

Bonus (rounding going down, up, down, ...):

473816952 (the solution)

473816950

473817000

473817000

473820000 (digits add to 24)

473800000

474000000

470000000

500000000 (final number)

English:

Toads Tricks and Aliens: Please read "The Trumpet and the Swan" by E.W. White pages 23-26.

Write the answers to the questions

"The Trumpet and the Swan "

Read pg. 23-26

Questions :

- 1 What country does the story take place?
2. What was Sam's surname?
3. What does Sam like to do in his spare time?
4. Why do you think Sam did not tell his father about the swans?
5. Why do you think Sam mentioned the fox at the end of the book?

Reading and listening

Animal Classifications 'Birds'

Click on the link below to access this book and audiobook.

https://readon.myon.co.uk/reader/index.html?a=ancl_birds_s15

Keep reading for **Bookclub!**

Your spellings and sentences for this week are: there are only 16 this week because of the Bank Holiday.

conscious
consciousness
collection
cereal
original

unconscious
collide
collapse
certificate
engineer

subconscious
collision
ceremony
concern
ginger

imagine
disguise

disaster
disciple

dispute

Please use some of the adjectives from the adjective list given a few weeks ago.

Anyone working on the Nessy program doesn't have these spellings.

Gaeilge:

Go to folenonline.ie

Select Register

Follow directions given where you sign in as a teacher.

Find Abair liom G. Click resources.

Open Scéal - 02. An turgnamh eolaíochta... Comhrá - 02. An turgnamh eolaíochta

This week do the book p. 12 - 19 This has been done already so it's just a case of doing it again for practise.

We recommend that you keep engaging with Duolingo.

Watching tg4 is a fun way of improving your Gaeilge.

Litriú agus focail

Slite beatha - **occupations**

Eolaíocht - **science**

Eolaí- **scientist**

turgnamh eolaíocht - **science project**

meascán - **mix**

dochreidte - **unbelievable**

go tobann- **suddenly**

suim - **interest**

Geography:

This week you will be learning about the most famous rivers in the world. There are 165 major rivers in the world. Don't panic we are going to focus on just 14 of these.

The Nile, Amazon, Mississippi, Ganges, Danube, Yangtze, Mekong, Volga, Thames, Zambezi, Rhine, Seine, Orinoco and Missouri.

Click on the link below to learn about these rivers.

<https://www.coolkidfacts.com/famous-rivers/>

History:

Martin Luther King Junior

This week we will focus on MLKs most famous speech. His I have a dream is a beautiful speech and its message of peace and unity is still very important today especially in the USA where MLK was from.

Go to the link below to learn more about this important speech.

<https://www.freetobekids.com/blogs/news/kid-friendly-videos-about-martin-luther-king-jr>

Revision of last weeks work: Martin Luther King Junior. Click on the link below to learn about the famous civil rights campaigner. There are protests in the USA today regarding civil rights. What do you think we can all learn from Martin Luther King Jr?

<https://www.natgeokids.com/ie/discover/history/general-history/martin-luther-king-facts/>

Religion:

This week please continue to revise the Confirmation work we have given you since Easter.

Science:

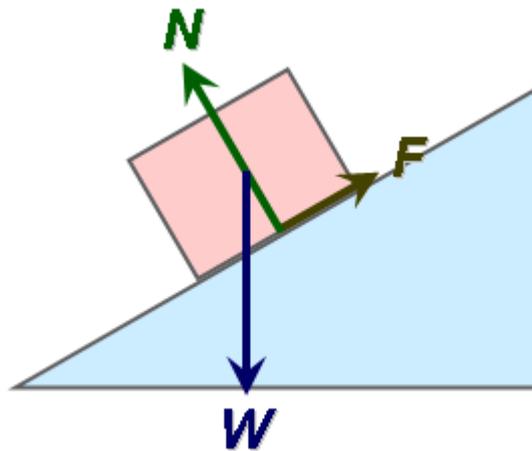
This week you are going to continue to learn about Friction

What is friction?

Friction is the resistance of motion when one object rubs against another. Anytime two objects rub against each other, they cause friction. Friction works against the motion and acts in the opposite direction.

Friction and Energy

When one object is sliding on another it starts to slow down due to friction. This means it loses energy. However, the energy doesn't disappear. It changes from moving energy (also call kinetic energy) to heat energy. This is why we rub our hands together when it's cold. By rubbing them together we generate friction and, therefore, heat.



The force F of friction pushes back on the block.

Preventing Friction

In some cases we want to prevent friction so it's easier to move. A good example of this is a ball or wheel. They roll to help reduce friction. Another way to reduce friction is with a lubricant like grease or oil. Machines and engines use grease and

oil to reduce friction and wear so they can last longer.

Another way to reduce friction is to change the types of materials in contact with one another. For example, ice contacting with steel would produce less friction than rubber would on concrete. This is why ice skates slide so easily on the ice, but you don't slip when wearing rubber shoes on the sidewalk. These different materials are said to have different "coefficients of friction".

Using Friction

Friction is also a great help to us. After all, we would all just be sliding around everywhere if there wasn't friction to keep us steady. Friction is used in car brakes, when we walk or climb a hill, making a fire, skiing down a hill, and more.

Experiment with Friction

Different types of surfaces create different amounts of friction. Some materials are much smoother than others. Take three flat objects with different types of surfaces. Set them on one end of a tray and slowly lift it. The item with the least friction will start to slide first.

There are two main factors that will influence the total amount of friction: 1) the roughness of the surfaces (or the "coefficient of friction") and 2) the force between the two objects. In this example, the weight of the object combined with the angle of the tray will change the force between the two objects. Play around with different objects and see how these two factors change the friction.

Types of friction

- **Dry Friction** - This is what we've been mostly talking about here. Dry friction occurs when two solid objects touch each other. If they are not moving, it is called static friction. If they are moving, it is called kinetic or sliding friction.
- **Fluid Friction** - Fluid friction involves a fluid or air. The air resistance on an airplane or water resistance on a boat is fluid friction.
- **Rolling Friction** - Rolling friction occurs when a round surface rolls over a surface, like a ball or wheel.

Fun facts about Friction

- Although wheels are great for rolling and reducing friction, they couldn't work without friction.

- It would be really tough just to stand up without friction.
- Friction can generate static electricity.
- The harder two surfaces are pressed together, the more force it takes to overcome the friction and get them to slide.
- Fluid friction is used a lot in water parks so we can slide smoothly and fast down giant slides.

Click on the link below to learn more about friction.

https://www.youtube.com/watch?v=fo_pmp5rtzo

Music;

Summer sounds Youtube; Justin Timberlake; Can't stop the feeling

The Arts; kidsloveshortfilms.com **Movie;** Stray- 5minute movie

Another animal lover short movie.

We identified the following themes;

- Loneliness
- Companionship
- Friendship

Can you identify any other themes?

Self-Esteem Check-Up

Directions: Rate from 0 to 10 how much you believe each statement. '0' means you do not believe it at all and '10' means you completely believe it.

Statement	Rating
1. I believe in myself	_____
2. I am just as valuable as other people	_____
3. I would rather be me than someone else	_____
4. I am proud of my accomplishments	_____
5. I feel good when I get compliments	_____
6. I can handle criticism	_____
7. I am good at solving problems	_____
8. I love trying new things	_____
9. I respect myself	_____
10. I like the way I look	_____
11. I love myself even when others reject me	_____
12. I know my positive qualities	_____
13. I focus on my successes and not my failures	_____
14. I'm not afraid to make mistakes	_____
15. I am happy to be me	_____
Total Score	_____

Overall, how would you rate your self esteem on the following scale:

0 _____ 10

I completely
dislike who I
am

I completely
like who I am

What would need to change in order for you to move up one point on the rating scale?
(i.e. For example, if you rated yourself a "6" what would need to happen for you to be at
a "7"?)



Outdoor Bubble Pop Art



Materials

- Bubble Mix
- Bubble Wands
- Food Colouring
- Paper

Instructions

1. Pour 1 tablespoon of bubble mix into a small, shallow bowl.
2. Add a few drops of food colouring to the bubble mix and stir well
3. Place your bubble wand in the coloured bubble mix, remove and blow bubbles towards your paper.
4. As the bubbles hit the paper and pop, they will leave interesting patterns. Repeat with other colours.

Tips

1. Caution: Food colouring will stain surfaces and clothing. Be sure to protect both!
2. This activity can be frustrating on a windy day - as the wind makes it hard to get the bubbles to hit the target paper!



Scones

Ingredients

300g flour -white or a mixture of white and brown flour

3 teaspoons baking powder

pinch salt

1 egg beaten with sufficient milk to make up about $\frac{3}{4}$ cup liquid

3 tablespoons rapeseed oil or butter

(If butter is used then it must be rubbed into the dry ingredients - this is the traditional way of making scones)

Utensils

cup

Weighing scale

Sieve

Baking tray

Fork

Scone cutter/or glass

Bowl

Method

Makes approx. 10 scones.

Preheat the oven to 230c

1. Place the dry ingredients in a bowl.
2. Add the milk to the beaten egg mixture and then add the oil. Mix well.
3. Using a fork, gently mix all but a tablespoon of the milk mixture into the dry ingredients until they are just blended together. If using butter, use your fingers to crumble the butter together with the flour then add the egg and milk mixture (omit oil).
4. Topple the contents of the bowl onto a dry, floured surface and knead very little

until the mixture only just holds together.

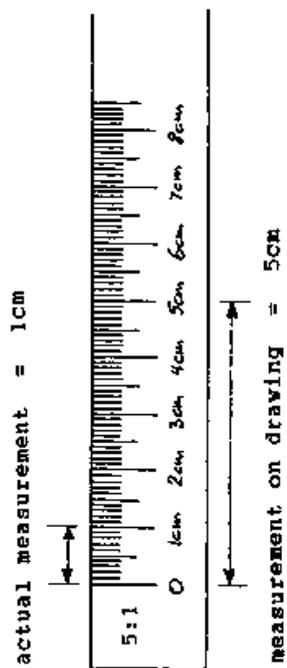
5. Pat the dough out and then fold in half and pat the two halves together lightly (this gives the traditional two tier look to the scones). The dough be at a thickness of 3.5cm.

6. Cut scones with a floured cutter or glass and place on baking sheet and glaze with remaining egg mixture.

7. Bake in oven (230°C) for 10 -12 minutes or until golden brown.

8. Serve hot with jam and cream.

Make sure you have an adult with you



Scone should be 3.5cm in thickness.. use the above ruler as a guide for the scone.



Sieve and bowl



pastry cutters

PE:

Joe 'The Body Coach' streams a PE lesson every morning at 9:30 on Youtube. If you can tune in it's a great way to start the day.

Now that you are allowed to go outside a bit more. Try a short jog. Set the countdown timer on your phone to 10 minutes. See if you can run continuously for the 10 minutes. Jog at a steady pace. Walk if it becomes difficult speed up towards the end if you feel you have energy towards the end.

what's fit activity for kids your name!

SPELL OUT YOUR FULL NAME AND COMPLETE THE ACTIVITY LISTED FOR EACH LETTER. FOR A GREATER CHALLENGE INCLUDE YOUR MIDDLE NAME & DO EACH ONE TWICE! FOR VARIETY YOU CAN USE A FAVORITE CHARACTER'S NAME OR A FAMILY MEMBER'S NAME.

- | | |
|---|--|
| A jump up & down 10 times | N pick up a ball without using your hands |
| B spin around in a circle 5 times | O walk backwards 50 steps and skip back |
| C hop on one foot 5 times | P walk sideways 20 steps and hop back |
| D run to the nearest door and run back | Q crawl like a crab for a count of 10 |
| E walk like a bear for a count of 5 | R walk like a bear for a count of 5 |
| F do 3 cartwheels | S bend down and touch your toes 20 times |
| G do 10 jumping jacks | T pretend to pedal a bike with your hands for a count of 17 |
| H hop like a frog 8 times | U roll a ball using only your head |
| I balance on your left foot for a count of 10 | V flap your arms like a bird 25 times |
| J balance on your right foot for a count of 10 | W pretend to ride a horse for a count of 15 |
| K march like a toy soldier for a count of 12 | X try and touch the clouds for a count of 15 |
| L pretend to jump rope for a count of 20 | Y walk on your knees for a count of 10 |
| M do 3 somersaults | Z do 10 push-ups |

<https://soundcloud.com/user-547419318/the-end-of-the-rainbow-visualisation-for-children-guided-by-gerard> click on this link for some breathing exercises.

Don't forget **RTEs School Hub** which starts at 11am every week day.

If you feel like doing this recipe please make sure that you have an adult present.
Here is the recipe.

We have posted out resources to some of you. Continue to work on the work we sent you.

We look forward to talking to you on the phone on Thursday or Friday.

Kind regards,
Mr. Hannelly, Ms. Moran and Tony.