



Mathematics

Please use the following Oak National Academy resources which will focus on content that pupils would have experienced in school during the Summer Term.

Using this link - <https://www.thenational.academy/online-classroom/subjects/#subjects> please access Year 5 – Maths – for this upcoming week. Please scroll down and access the **Transformations lessons.**

Lesson 1 - An Introduction to Translation

Lesson 2 - Describing Translation

Lesson 3 - Describing Positions and Coordinates

Lesson 4 - Describe Position after Translation

Lesson 5 – Describe Position after Translation (2)

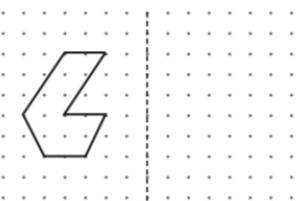
Each lesson includes an introductory quiz to allow you to review your previous knowledge on the subject. There is then a video for each lesson that children can watch prior to completing the downloadable independent task. You can then complete an exit quiz to test your knowledge from the lesson.

Please make sure that your child records their answers in their exercise book provided by school – **there is no need to print any resources!**

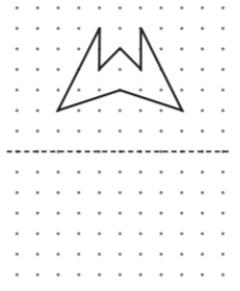
We have also included some challenge activities below for those wanting to stretch themselves with their maths. These are all based around converting between different units of measure. Answers attached at the back of the pack.

4 Draw each reflection.

a)

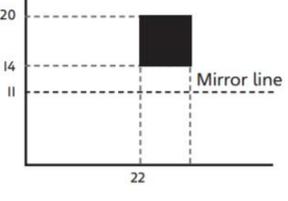


b)



CHALLENGE

6 The square is reflected in the mirror line. Put one tick in each row of the table to show the correct position of each coordinate.



Point	Inside original square	Inside reflected square	Outside both squares
(23,21)			
(25,5)			
(29,5)			
(27,17)			
(20,7)			
(10,10)			

CHALLENGE



6 Describe the translations required to move the parts of the square to make the rocket shape.

CHALLENGE

4 Triangle A is translated and then reflected in the mirror line to form triangle B. Triangle B has vertices (14,25), (14,20) and (7,20).

CHALLENGE

Work out what the translation is.

English (Reading, Writing and SPaG)

Writing

Talk for Writing Unit of Work **(Wizards)**

This booklet is for the next two weeks for English. There are 10 activities in total, so 1 activity per day is sufficient enough.

Each booklet contains a story and activities which are linked to it. Activities include spelling, grammar and writing for different purposes. We think your children will really enjoy this as it allows them to be creative!

You **do not need to print** the booklet as the activities can be completed in their exercise books. Please find the booklet uploaded to our school website under our class headings.

Have fun!

Below we have included additional reading and SPAG activities which can be completed daily. It's up to you whether you want to complete these as well as the Talk for Writing Unit of Work.

SPaG

We have included 5 SPaG questions enough for one a day. **Answers attached at the back of the work pack.**

1. Which sentence uses an **expanded noun phrase**? **Tick one.**

I like the swimming teacher.

I like the funny swimming teacher with the blue shorts.



2. What does the word 'it' refer to in the passage below? **Circle one option.**

I bought a hat in town last week. Unfortunately, I had to take **it** back because **it** was too small.

me	town	the hat
----	------	---------

3. Rewrite the reported speech in the sentence below as **direct speech**.

Mum said we have got to wash our hands before dinner.

6. Which punctuation mark is missing from the sentence below? **Circle one.**

Even though Matilda was very tired she was finding it difficult to go to sleep.

!	,	.	?
---	---	---	---

7. **Tick the sentence or sentences** which do **not** use Standard English correctly.

Why were you late?

Why was you late?

Why was they late?

Reading

Answer the following questions after reading the comprehension on Brazil.

Q18 Brazil is a popular destination for many tourists. Use evidence from the text to explain why you think this is. (2 marks)

Q21 The amazon rainforest is sometimes referred to as the 'the lungs of the Earth' What does this tell you about the rainforest? (1 mark)

Q23 Why do you think the forest floor is referred to as dark? Explain your answer using evidence from the text. (1 mark)



Q24 Can you explain what each part of the Brazilian flag represents? (3 marks)

Yellow Diamond:

White Stars:

Dark Green Background:



Where in the World?

Brazil is situated in the continent of South America. Brazil is located on the eastern coast of South America, sharing land borders with: Uruguay in the south; Argentina and Paraguay to the southwest; Bolivia and Peru to the west; Colombia to the northwest; and Venezuela, Guyana, Suriname and the French overseas department of French Guiana to the north. In 2016, Brazil was named as the sixth largest economy in the world.

Cities and Sightseeing

São Paulo

This is the largest city in Brazil with over 11 million people living here. Those who live here are called Paulistanos.

Human Features

- São Paulo Cathedral is a Roman Catholic place of worship.
- Parque Hopi Hari is a theme park in the city.

Physical Feature

- Pico do Jaraguá is the highest mountain of the city.



Brasília

Human Features

- The Palácio da Alvorada is the official residence of the President of Brazil.
- Paranoá Lake is a man-made lake on the east side of the city.
- Cathedral of Brasília is a Roman Catholic cathedral designed by a Brazilian architect.

Physical Feature

- Itiquara Falls is 168 metres high.





Rio de Janeiro

People call Rio de Janeiro 'Rio' for short. It is the second largest city in Brazil.

Human Feature

- Tijuca Forest is a hand-planted rainforest.
- Christ the Redeemer statue is situated in Tijuca Forest and is a religious statue that stands on top of Corcovado Mountain.

Physical Features

- Sugarloaf Mountain is a peak located at the mouth of Guanabara Bay. It is nearly 400 metres high.
- Copacabana beach is 4km in length.
- Rio is very famous for its carnivals too.



Salvador

Human Features

- The historic centre with its pretty-coloured buildings and interesting architecture.
- The Estádio Fonte Nova was used for several 2014 FIFA World Cup games.



Physical Feature

- The Porto da Barra beach is a physical feature with two human features built on to it: a white fort at one end and a small church on the opposite hill side.

The Brazilian Flag



The Brazilian flag has a fascinating history behind its unique design and colours. The Brazilian flag begins with a dark green background with a large yellow diamond in the middle. In the centre of the diamond

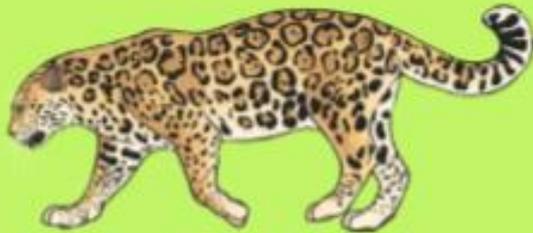
is a blue globe with 27 five-pointed white stars. Each star represents one of each of the states in the Federal District, which are arranged in the same pattern as the stars in the Brazilian night sky. Across the globe is a white banner that reads, 'Ordem E Progresso', which translates in English to 'Order and Progress'.

Just like the American flag, each colour stands for something very important to the Brazilian culture. Yellow represents the gold reserves the country holds. Green symbolises the great Amazon Rainforest, the Atlantic jungle, and the Panama – Brazil's amazing tropical landscape.



Brazilian Rainforest

The Amazon is the largest tropical rainforest in the world. Covering over 5.5 million square kilometres, it is so big that the UK and Ireland would fit into it 17 times! Most of the Amazon rainforest is in Brazil. This area of immense natural beauty is sometimes referred to as 'the



lungs of the Earth'. This is because the rich vegetation takes carbon dioxide out of the air and releases oxygen back in. In fact, more than 20% of the world's oxygen is produced by the Amazon.

Running through the north of the rainforest is the Amazon River. Flowing a length of around 6,400km, it is the second longest river in the world.



The Different Layers of a Rainforest

There are four main parts of a rainforest:

Emergent Layer – It's very sunny here because it is at the very top. Only the tallest trees reach this level.

Who lives here? Birds, butterflies, small monkeys, bats, snakes and bugs.

Canopy Layer - Most trees in the forest grow to this height. There are plants that grow in the canopy layer but their roots don't reach the ground - these are called air plants.

Who lives here? Birds, monkeys, frogs, sloths, lizards, snakes and many insects.

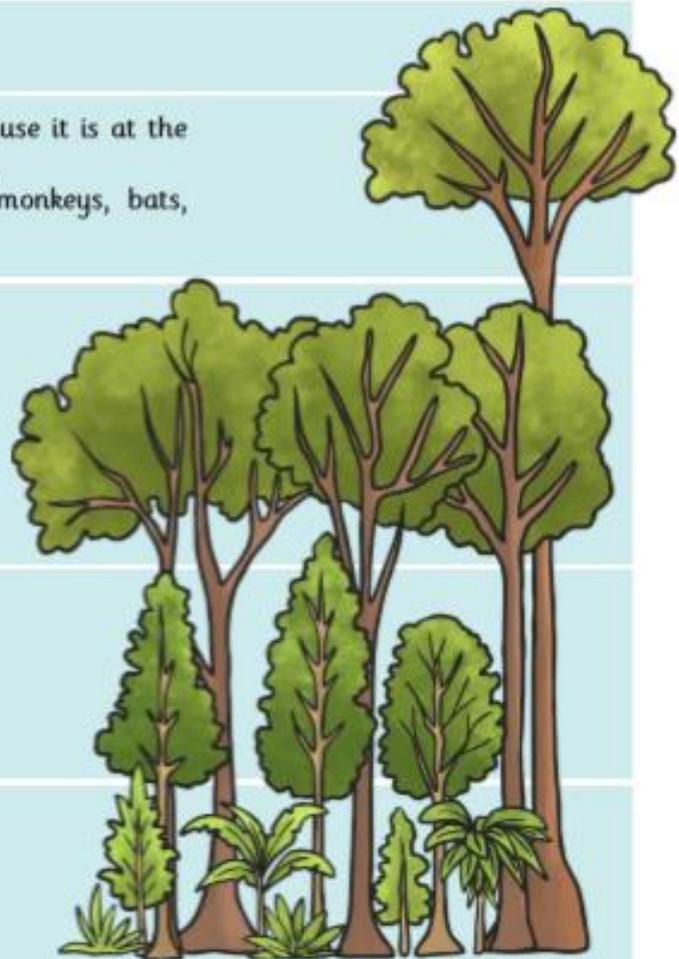
Understory Layer - Many vines and dense vegetation can be found here. There is very little light.

Who lives here? Birds, butterflies, frogs and snakes.

Forest Floor – A damp part of the forest full of many dead leaves, twigs and dead plants. The forest floor is dark; it is estimated that only 2% of the sunlight actually reaches the floor. When it rains, it takes around ten minutes for the water to reach the ground due to the thickness of the canopy.

Who lives here? It is teeming with insect life and is home to the biggest animals of the rainforest.

In the Water – Beware... electric eels, anacondas and piranhas all live in the water!





Weekly Spelling List

Green Group: 'ily'

This week your spellings focus on turning adjectives into adverbs.

1 Introduce/Review

- Ask the children: How do you feel today? Tell a partner in a single word.
- Draw a grid with two columns on the flip chart. Collect suggestions, writing the words down the left-hand side, e.g.

Adjectives	Adverbs
sad	
happy	
ecstatic	
miserable	
angry	
cross	

- Ask: Can you show me how you feel in the way you walk?
- Invite a volunteer to mime one of the words on the list by entering the classroom and walking across the room.
- Provide the children with the following 'drop-in' sentence on the flip chart:
_____ (name) walked _____ across the room.

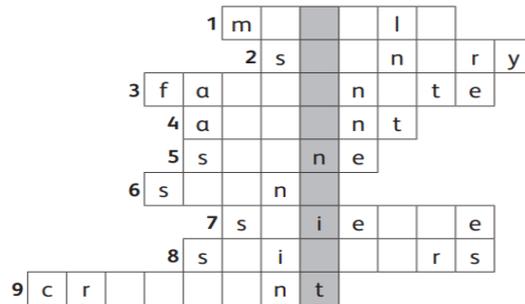
Word list

lazily	clumsily	noisily
slowly	quickly	softly
cheerfully	excitedly	masterfully
frantically	dramatically	mechanically

Blue Green:

ascent	crescent
fascinate	muscle
scene	scenery
scent	science
scientist	scissors

Mind the gap



Clues

- 1 Parts of the body that produce movement
- 2 The landscape
- 3 To interest
- 4 A climb upwards
- 5 A view or picture
- 6 A smell
- 7 A study of the physical world
- 8 An object used to cut things
- 9 A semi-circular or arc shape

Red Group:

Spelling Pattern - 'ed' word endings

hunted	splashed
buzzed	growled
jumped	snowed
twisted	honked

Path through the river



5 Review

Activity 3: Path through the river

- Show the children the Path through the river resource (see You will need) and explain that they need to cross the river using the stepping stones.
- Tell them that they cannot step on a word that does not use the past tense -ed ending, otherwise they will sink into the fast-flowing river and be swept away.
- Demonstrate how to start on the starting stone and to sound out the words on the stones that are next to this stone. Explain that they cannot jump over stones. Demonstrate colouring in the stone with the next -ed word and explain how they then continue until they find the path all the way over the river to reach the end.
- Children can compare the path that they have found to check their spelling.



Other Curriculum Areas

Scream Machine! – Our new cross-curricular topic for Summer Term 2.



We have recommended 6 different activities that you could have ago at doing.

These activities are optional but are based around what we would have been doing in topic at school.

Science- Below are two photographs of pirate ships. One is empty and one is full of people. Do you think the pirate ship will swing differently with people on it? If so why do you think this? Can you make a prediction about whether weight effects gravity? You may want to make a simple pendulum to test your prediction or you could watch the video to find out: <https://www.youtube.com/watch?v=QX--TyzprSQ>



Science- Investigate the effect of air resistance. Test different sized parachutes for how well they slow a falling object. You could use cupcake cases as parachutes! Record your results in a table. What do your findings tell you?

Art- Design your own theme park map. Can you include a rollercoaster, a water ride, food stalls and a pirate sheet?

PE - <https://www.youtube.com/channel/UCAxW1XT0iEJo0TYIRfn6rYQ> - Joe Wicks provides a 30 minute workout every morning from 9:00am. This is a great way to start your morning, I have done these myself and they are challenging! The stream goes live from 9:00am, so don't miss it! Or you may prefer to have ago at cosmic yoga - <https://www.youtube.com/user/CosmicKidsYoga>



Spanish- Visit lightbulb languages website

(<https://www.lightbulblanguages.co.uk/home-spanish.htm>)

Scroll down to find video clips

Watch Spanish 24 clip: saying 9 pets, their names and ages. Practise saying 9 pets, their name and ages.

Challenge 1: Make a poster about your pet or a family pet that you know saying its name and age.

Challenge 2: Learn and practise singing the song at the side of the clip to practise pet names.

Watch Spanish 25 clip: describing flags using colour. Practise describing flags using colours.

Challenge 3: can you find out about the flags of the countries where Spanish is spoken. Draw your favourite flag.

Watch Spanish 26 clip: describing flags with shapes. Practise describing flags using shapes.

Challenge 4: design your own flag and describe it using colours and shapes.

Some Music Activities from Miss Monger –

Attached is the local newsletter from Sheffield Music Hub with ways you can keep engaged in music whilst at home.



Music at Home!

Now more than ever, music is important to keep you and your children powering on, so here are some activities to help!

New activities will be released every Wednesday at 4pm on our [website](#), [Facebook](#) and [Twitter](#).

Music Hub Website: https://www.sheffieldmusichub.org/pages/music-at-home?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=



Song of the week

This weeks' song comes from our Music Leader [Peter Taylor](#). All of us at the Music Hub have spent lots of time reading during this time at home, have you? We hope you enjoy learning the song 'I like books' this week, [click here to view on YouTube](#) and sing along to the full song [here](#).

https://www.sheffieldmusichub.org/schools/music-leaders/peter-taylor?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=

Learn the song 'I like books'

https://www.youtube.com/watch?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=&v=5f7DVD4y1Ok

Sing along to the full song:

https://www.youtube.com/watch?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=&v=xXoHimZ4HrA

Challenge of the week



Suitable for KS2 and above

[Caroline Hallam](#) has come up with a short challenge for you this week - Rhythm vs Beat! [Click here to watch on YouTube](#) and join in.

Who is Caroline Hallam?

https://www.sheffieldmusichub.org/schools/music-leaders/caroline-hallam-singing?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=

Rhythm vs Beat

https://www.youtube.com/watch?feature=youtu.be&utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=&v=IUYUWBSTn0Y



Weekly activities

Our updates aim to give you some really simple tasks that children of all ages can take part in! Please join in and let us know how you are getting on by tagging us on [Facebook](#) or [Twitter](#)!

Weekly challenges will be uploaded to our [website](#) every Wednesday at 4pm.



Facebook

https://www.facebook.com/SheffMusicHub/?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=

Twitter

https://twitter.com/SheffMusicHub?utm_content=&utm_medium=email&utm_name=&utm_source=govdelivery&utm_term=

Feel free to send pictures of this week's home learning that your child has completed.

Mr Silverton– class11teacher@charnockhallacademy.co.uk

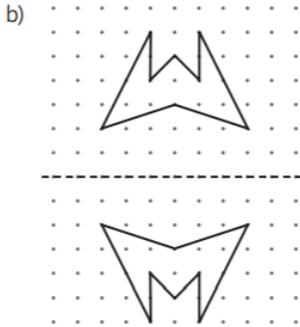
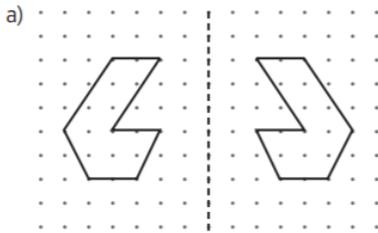
Miss Monger- class12teacher@charnockhallacademy.co.uk

We look forward to seeing your home learning!



Maths Answers:

4. Reflections drawn:



6.

Point	Inside original square	Inside reflected square	Outside both squares
(23,21)			✓
(25,5)		✓	
(29,5)			✓
(27,17)	✓		
(20,7)			✓
(10,10)			✓

6. A, B and C: 6 right, 2 down
D: 6 right, 2 up

4. Before reflection in the mirror line, the right-angled vertex must have had coordinates (16,20). Its original coordinates were (5,5) so the translation is 11 right, 15 up.

SPAG Answers:



<p>1 I like the swimming teacher. <input type="checkbox"/></p> <p>I like the funny swimming teacher with the blue shorts. <input checked="" type="checkbox"/></p>	1 mark	<p>6 <input type="checkbox"/> ! <input checked="" type="checkbox"/> , <input type="checkbox"/> . <input type="checkbox"/> ?</p>	1 mark
<p>2 me town <input checked="" type="checkbox"/> the hat</p>	1 mark	<p>7 Why were you late? <input type="checkbox"/></p> <p>Why was you late? <input checked="" type="checkbox"/></p> <p>Why was they late? <input checked="" type="checkbox"/></p>	1 mark
<p>3 "Wash your hands before dinner," said Mum.</p>	1 mark	<p>8 If it keeps snowing, we are going to be stuck here for hours. <input checked="" type="checkbox"/></p> <p>You can read a magazine while you wait. <input type="checkbox"/></p>	1 mark

Reading Answers:

18.	Brazil is a popular destination for many tourists. Use evidence from the text to explain why you think this is.		
	A reference to human and physical features of the cities.	Up to 2	<p>Content domain: 2c - summarise main ideas from more than one paragraph.</p> <p>Award 2 marks in total.</p> <p>Award 1 mark for reference to the human features.</p> <p>Award 1 mark for reference to the physical features.</p>

21.	The Amazon rainforest is sometimes referred to as 'the lungs of the Earth.' What does this tell you about the rainforest?		
	The rainforest keeps the Earth alive by producing lots of oxygen.	1	<p>Content domain: 2g - identify/explain how meaning is enhanced through choice of words and phrases.</p> <p>Award 1 mark for an acceptable point linked to the rainforest keeping the Earth alive /breathing by producing lots of oxygen.</p> <p>Do not accept a direct quote from the text without any further explanation, such as, 'This is because the rich vegetation takes carbon dioxide out of the air, and releases oxygen back in.'</p>



23.	Why do you think that the forest floor is dark? Explain your answer using evidence from the text.		
	The thickness of the trees in the canopy layer stop the sunlight from entering the forest floor.	1	Content domain: 2d - make inferences from the text /explain and justify inferences with evidence from the text. Award 1 mark for answers that refer to the thickness of the trees in the canopy layer above stopping the sunlight from entering the forest floor.
24.	Look at the text box about the Brazilian flag and complete the table below.		
	yellow diamond - Yellow represents the gold reserves the country holds. white stars - Each star represents one of each of the states in the Federal District, which are arranged in the same pattern as the stars in the Brazilian night sky. Do not accept the night sky. dark green background - Green symbolises the great Amazon Rainforest, Atlantic jungle, and the Panama. or Symbolises all of their amazing tropical landscape.	Up to 2	Content domain: 2b—retrieve and record information/identify key details from fiction and non-fiction. Award 2 marks for all three correct. Award 1 mark for two correct.