Erina Heights Public School
Learning from Home - Stage 2

	Monday	Tuesday	Wednesday	Thursday	Friday
9:00	Daily Zoom Meeting	2/3L Zoom link	3A Zoom Link	3/4C Zoom Link	3/4C Zoom Link
Morning	Literacy Activities	Literacy Activities	Literacy Activities	Literacy Activities	Literacy Activities
	Recess Break				
Middle	**Maths Activities**	**Maths Activities**	**Maths Activities**	**Maths Activities**	**Maths Activities**
	Manga High	**Manga High**	**Manga High**	**Manga High**	**Manga High**
	Lunch Break				
Afternoon	**Antarctica Project**	**antarctica Project**	**Antarctica Project**	**Antarctica Project**	**Antarctica Project**
Optional Activities	Last year, the Office of the Advocate for Children and Young People launched a website called Digital Lunchbreak. Children and young people can learn, create and discover through digital workshops, learning materials, virtual excursions and more. Visit the Digital Lunchbreak website by clicking here www.digitallunchbreak.nsw.gov.au				

EXPECTATIONS

'Mistakes are proof that you are <u>trying</u>'

- Do one activity each day.

- If you get stuck, send your teacher a message on Google Classroom.

- You can add extra slides to do your answers, otherwise you can do your work in a Google doc or workbook at home.

- **Please Note:** These tasks are the same as Stage 2, however, our expectation is that as a Stage 3 student, you will be providing more detailed and extended answers, justifying your reasons and giving examples.

- Submit your work on Google Classroom.

- Do the best you can! 😊

TED Ed

The Ancient Origins of the Olympics

https://ed.ted.com/lessons/the-ancient-origins-of-the-olympics-armand-d-angour

What to do?
- Scan the QR code or click the link above to be taken to the website.
- Listen to the TED Ed video
- Take notes. about what you hear. You may pause the video if you need to.

Your task:
- Click on the 'Think' tab on the right hand side of the page and complete the quiz to show your understanding
- Imagine that you have travelled back in time. Your task is to create an advertisement poster to promote the upcoming 'Ancient Olympics'. Consider including:
  - Date
  - Location
  - Pictures of different events
  - Pictures of the logo and mascot

Watch
Think
Dig Deeper
Discuss

SENTENCE STRUCTURE

Compound Sentences - A compound sentence contains two independent clauses joined by a <mark>coordinating conjunction.</mark> Example: <u>Scott was playing tennis</u> **so** <u>Mia went for a run</u>.

compound sentence = main clause + conjunction + main clause

Task: Add a coordinating conjunction to these compound sentences:

for, and, nor, but, or, yet and so

1. I would like to come to the movie, _____ I don't have a ticket.
2. Molly is saving her pocket money, _____ she can buy a new dress.
3. Dad drove the car, _____ Mum gave directions.
4. Joshua can buy the book, _____ he can borrow it from the library.
5. Christina had stayed up late, _____ she didn't feel tired.
6. I put on my winter coat, _____ it was cold outside.
7. My brother does not like peas, _____ does he like carrots.
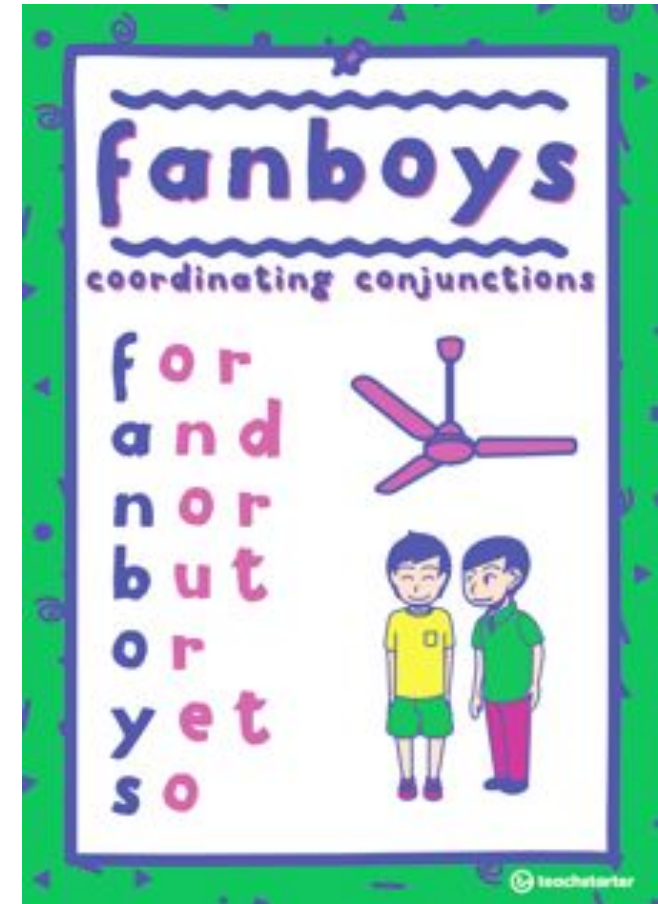
fanboys
coordinating conjunctions

f o r
a n d
n o r
b u t
o r
y e t
s o

EDITING - *easy*

Edit the following passages. You must look out for spelling mistakes and missing punctuation.

i didnt brake the vase it couldnt possibly have been me i wasnt home from school it must have bean our cat ruby
Clue: Find 3 spelling mistakes. Add 5 capital letters, 4 full stops and 3 apostrophes of contraction.

today i went to play with my frend lisa it was so boaring she forced me to play silly games like hide and seak i hate playing hide and seek
Clue: Find 3 spelling mistakes. Add 6 capital letters, 2 full stops and 2 exclamation marks.

EDITING - *harder*

Edit the following passages. You must look out for spelling mistakes and missing punctuation.

solar power is a clean source of electricerty created from the Suns lite and heat. The Suns temperature is 7 million degrees Celsius, producing enormous amounts of enagy each day. the amount of solar energy that reaches the earth in one day could supply the planets power four up to a year

Clue: Find 4 spelling mistakes. Add 3 capital letters, 1 full stop and 3 apostrophes of possession.

melinda rayves about her chocolate milkshakes. she thinks theyre superior to any other milkshake in the entier world. She says that it would be impossoble not to like them. I think her milkshakes are nice, but I think she's going a bit to far. some people dont like milk. There are even people who dont like chocolate

Clue: Find 4 spelling mistakes. Add 3 capital letters, 1 exclamation mark and 3 apostrophes of contraction.

WRITING TASK

Pobble 365

https://www.pobble365.com/the-sky-journey

You will need:
- An iPad or laptop

What to do:
- Scan the QR code or click the website above.

Do the following:
- Read the 'Story starter!'
- Set a timer for 15 minutes and continue the story… the more creative you are, the better! Edit for spelling and missing punctuation when finished.
- Complete the 'Sentence challenge!', 'Sick sentences!' and 'Picture perfect'.

Do some research to answer the following question:

- What causes clouds? Can you make a cloud disappear?
- Do clouds weigh anything? Can you measure a cloud?

Sell Me This - Impromptu Speaking

You will need:
- An iPad or laptop

What to do:
- Watch the video. Click on the picture to access the link

Do the following:
- Have a family member select a 'suggested product' from list at the end of the video for you to try and 'sell' to them by using your persuasive skills.
- Once you know the product you are aiming to sell, think of the **features** and **benefits** that you could address in your speech.
- You might like 2-5 minutes of planning time for your first try. Then select a different topic and try again without any preparation.
- Aim - to speak (on topic) for as long as possible.
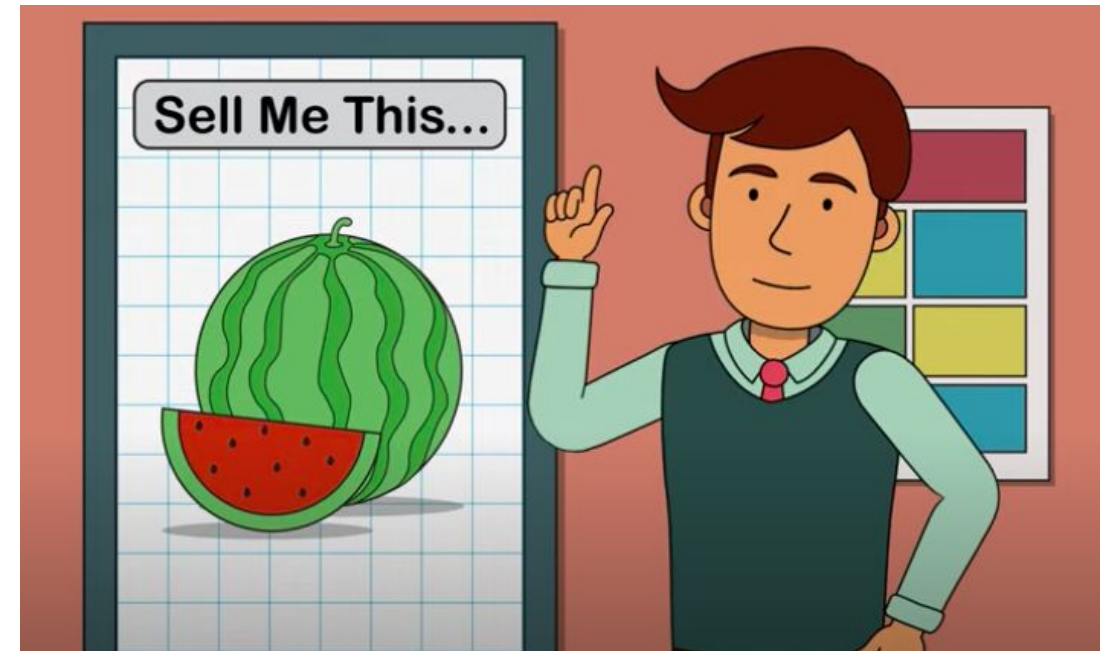
Maths

● ● ●

Stage 2 - Week 5

Maths Instructions

1. Watch the instructional videos before beginning the tasks. You may need to watch these more than once.

2. Complete 1 or both activities each day - activities should be completed on paper or in a book. Please draw any tables or diagrams that you need to complete these activities.

3. To make answering easier, can you please add a text box over the space for the answer which will allow you to edit the slide.

Practise your multiplication tables

THREE TIMES TABLE SONG
COVER OF UPTOWN FUNK

NINE TIMES TABLE SONG

8 TIMES TABLE
COVER OF ROLLING IN THE DEEP BY ADELE

PLEASE NOTE

If it is easier for you to complete this work in a book, then please do so and send a photo to your teacher or submit on Google Classroom if you know how.

Otherwise - Click on the pink text boxes on the activity slides to enter your answer.

Monday

Lesson 1

Ignition Activity 1

Even + Even

34 + 10 =

Is the answer odd or even?

Even - Odd

50 - 33 =

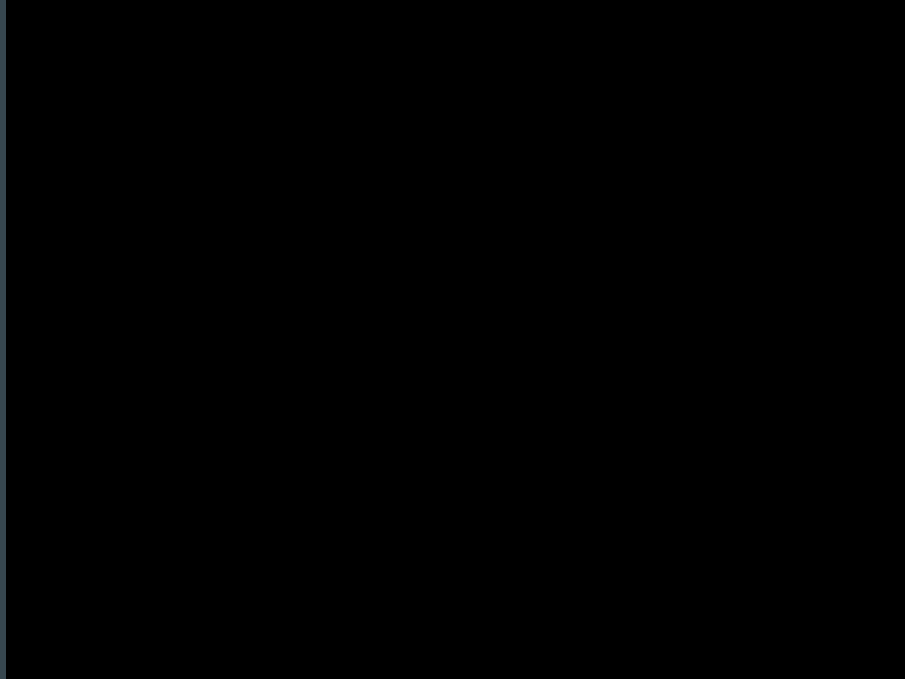**Even + Odd**

92 + 7 =

Odd + Odd

89 + 11 =

Even - Even

58 - 18 =

Instructional Video Links - Click the link below to access the videos

Data 1

Glossary

- **axes:** plural of axis
- **horizontal axis:** the bottom line of a graph, where the data is organised into categories
- **misleading:** data that attempts to give the reader an incorrect idea of the actual data
- **scale:** the unit by which data is measured and displayed
- **vertical axis:** the side line of a graph, which is often marked with number values

▶ Watch and Learn

Watch the video, **Watch and Learn**, which will introduce this unit on data. The video will also introduce the activities that follow in the **Have a Go** section below. In this lesson you will be learning to construct a picture graph using one picture to represent more than one item.

Have A Go!

Small and large sets of data can be represented in a picture graph.

Ben collected the data below from his friends when trying to decide what kind of party he wanted to have for his birthday. Ben recorded his data using tally marks.

skate park	ЖЖ I
movies	III
laser tag	ЖЖ
bowling	IIII
go karting	II

Here is the picture graph that Ben created to display his small amount of data. Ben recorded his data using a picture of a birthday cake to represent one tally mark.
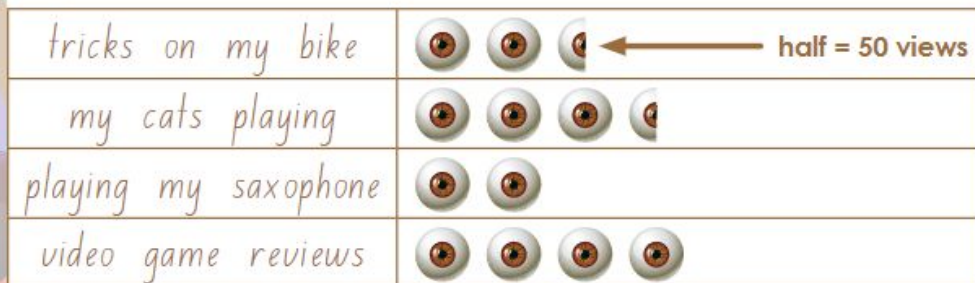
skate park	🎂 🎂 🎂 🎂 🎂 🎂
movies	🎂 🎂 🎂
laser tag	🎂 🎂 🎂 🎂 🎂
bowling	🎂 🎂 🎂 🎂
go karting	🎂 🎂

Ben also has a YouTube channel and he collected some data about the number of views his videos had received, rounded to the nearest 50.

tricks on my bike	250 views
my cats playing	350 views
playing my saxophone	200 views
video game reviews	400 views

Data

If Ben used one picture to represent each video view, his graph would be too big to fit on a page or a screen. To make his graph easier to interpret, Ben decided to use one picture to represent 50 views. So that people reading his graph know that this is the **scale** he has chosen, he included a key. His graph looks like this.

tricks on my bike	👁 👁 👁 👁 👁
my cats playing	👁 👁 👁 👁 👁 👁 👁 👁
playing my saxophone	👁 👁 👁 👁
video game reviews	👁 👁 👁 👁 👁 👁 👁 👁

Key

= 50 views

Ben could also have used a **scale** of one picture to represent 100 views. This is how his graph would have looked if the scale was changed.

tricks on my bike	👁 👁 👁 ← half = 50 views
my cats playing	👁 👁 👁 👁
playing my saxophone	👁 👁
video game reviews	👁 👁 👁 👁

Key

= 100 views

Have a go at completing the activities below.

1. Look at the data in the tables. What number of items would one picture represent in your key if you were to put the data into a picture graph? Fill in the blanks to complete the sentences for each set of data.

a. Favourite pets of students in Stage 2

cat	60
dog	55
bird	30
fish	45
other	20

I would use one picture to represent _____ responses because _____

b. Favourite colour of students in the school

orange	125
yellow	200
blue	275
green	250
purple	300

I would use one picture to represent _____ responses because _____

c. Number of siblings (brothers and sisters) people in our class have

0 siblings	7
1 sibling	11
2 siblings	6
3 siblings	5
4 siblings +	2

I would use one picture to represent _____ responses because _____

_____

_____

2. Use the data below to create a picture graph on the next page. Use one picture to represent more than one response. Make sure you label and space your graph correctly and include a key.

Survey question: What colour should the new school uniform be? Choose one of the following options: maroon, green, blue or purple.

All students in the school were surveyed and the results were rounded to the nearest 10.

maroon	110
green	120
blue	70
purple	140

Do this activity on paper and send a photo to your teacher.

Data

Tuesday
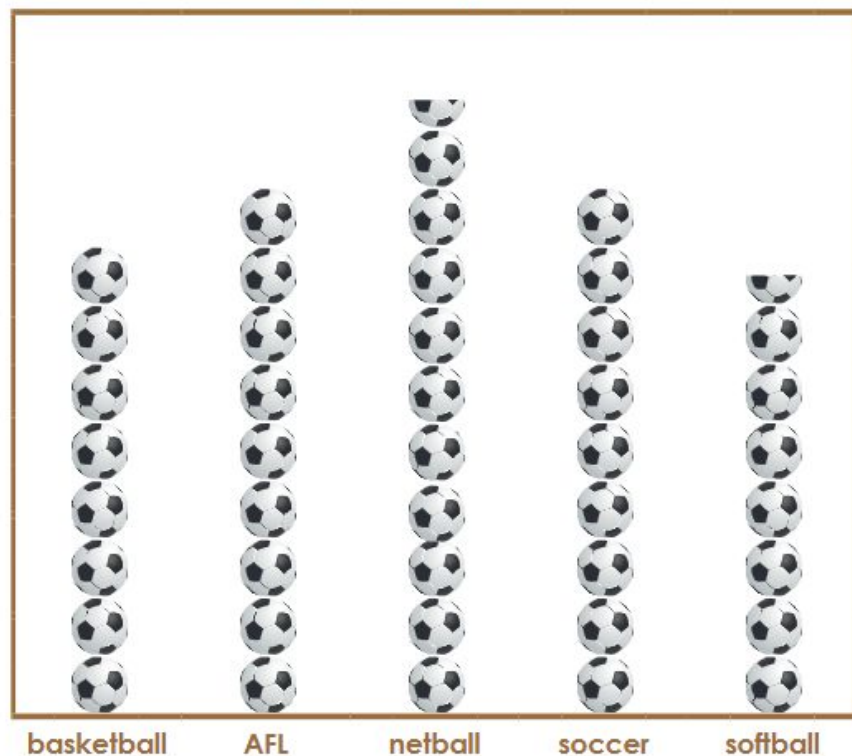
Lesson 2

Ignition Activity 2

Who Is The Impostor?

12 x 12 = 144		1234 − 321 = 913	
5^3 = 125		100 ÷ 5 = 20	
256 ÷ 8 = 32		1234 + 5678 = 6812	
6 x 6 = 36		11 x 11 = 121	
126 ÷ 6 = 22		96 ÷ 6 = 16	

Voting Ends In: 112s

Look at the picture graph below that shows the most popular ball sports in Year 4, then answer the questions that follow.

Most Popular Ball Sports in Year 4

Type of Sport: basketball, AFL, netball, soccer, softball

Key

= 2 students

1. What is the most popular ball sport in Year 4? _____

2. How many students chose basketball as their favourite ball sport? _____

3. Which two sports had the same number of students who chose it as their favourite ball sport?

_____ and _____

4. What is the least popular ball sport in Year 4? _____

5. Altogether, how many students were surveyed in Year 4? _____

6. List three features of this graph that make it easy to understand.

a. _____

b. _____

c. _____

Wednesday

Lesson 3

Ignition Activity 3

WORK OUT THE ANSWERS TO THESE PROBLEMS AND CIRCLE THE 3 IMPOSTERS

560+244 =804

174+516 =639

673+333 =999

321+461 =759

452+253 =705

469+351 =820

123+321 =444

245+245 =490

545+323 =868

In this lesson you will be learning how to choose the best type of graph to suit the data you have.

Have A Go!

Look at the table below that shows the number of male convicts who came to Australia on the different ships of the First Fleet.

Ship	Male Convicts
Alexander	210
Charlotte	100
Friendship	80
Lady Penrhyn	0
Prince of Wales	2
Scarborough	210

Information in this table is from: **http://en.wikipedia.org/wiki/First_Fleet**

Think about how you could represent the information in the table on the previous page. One way would be to create a column graph. Have a look at the graph below.

Number of Male Convicts on the Ships of the First Fleet

Y-axis: Number of Male Convicts (0 to 240)
X-axis: Name of First Fleet Ship

Ship	Number of Male Convicts
Alexander	210
Charlotte	100
Friendship	80
Lady Penrhyn	0
Prince of Wales	2
Scarborough	210

Data
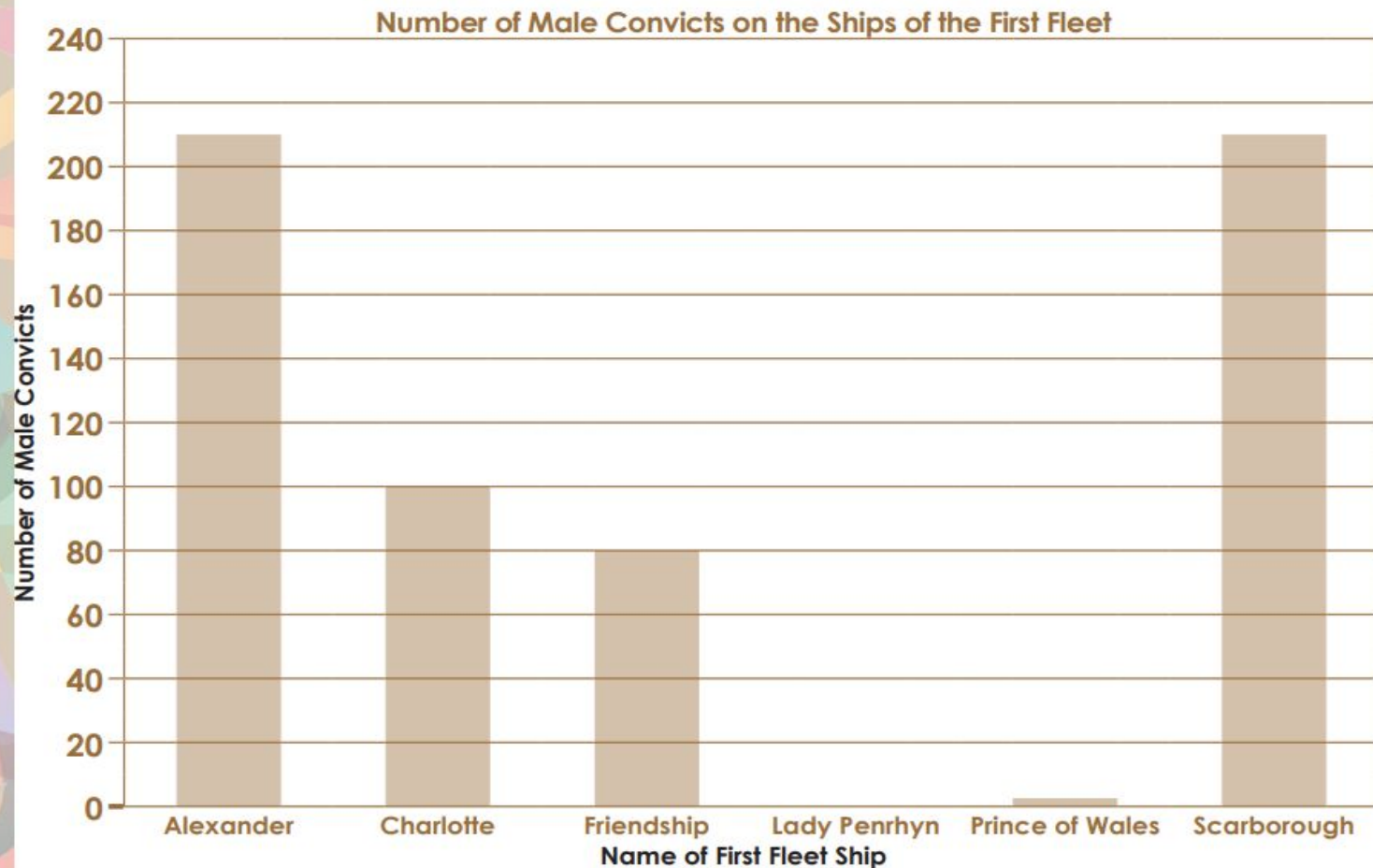
Another way we could represent this information would be to create a picture graph.

Number of Male Convicts on the Ships of the First Fleet

Alexander	👤👤👤👤👤👤👤👤👤👤👤👤
Charlotte	👤👤👤👤👤
Friendship	👤👤👤👤
Lady Penrhyn	
Prince of Wales	👤
Scarborough	👤👤👤👤👤👤👤👤👤👤👤

Key

👤 = 20 people

Both of these graphs show the information accurately, but sometimes one type of graph is better than another for a particular set of data.

1. What are the advantages and disadvantages of using a **column graph** to represent this information?

Advantages	Disadvantages

2. What are the advantages and disadvantages of using a **picture graph** to represent this information?

Advantages	Disadvantages

Data

3. Which graph do you think represents the information from the table in the best way? Give three reasons to support your answer.

Reasons
•
•
•

Thursday

Lesson 4

Ignition Activity 4

In this lesson you will be learning about **misleading** representations of data.
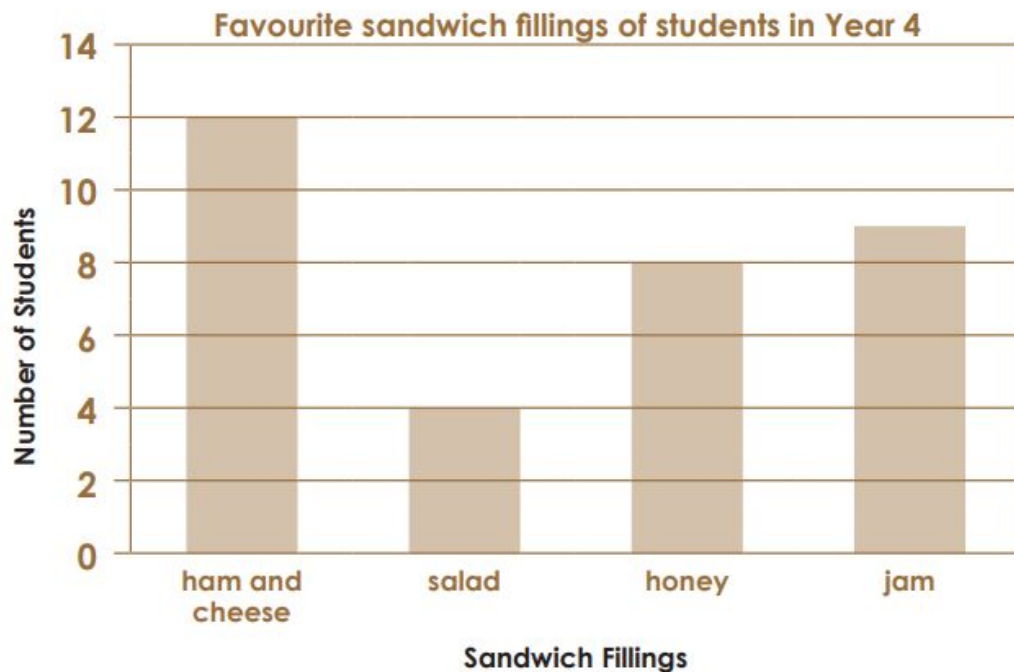
Have A Go!

Sometimes when people create data displays, they might change the way they represent the data they have so that it better supports their purpose. For example, they might want people to focus on a particular part of the data, so they change parts of a graph to make this information appear better than it really is. In this way, they are **misleading** viewers about the data. There are a number of ways that a data display can be **misleading**.

Charlie collected some data about favourite sandwich fillings from his friends in Year 4. He recorded his data using tally marks.
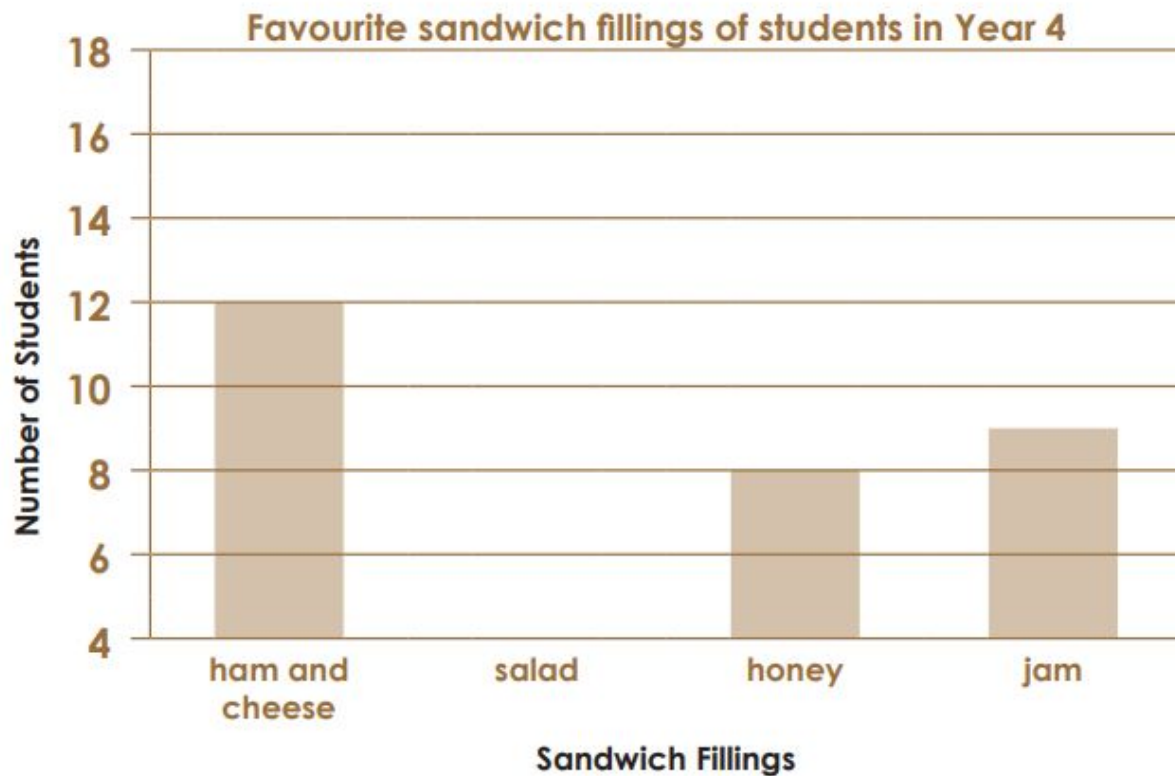
ham and cheese											
salad					
honey								
jam									

1. Charlie then made a graph, using the data he collected about favourite sandwich fillings of Year 4 students.

Favourite sandwich fillings of students in Year 4

(Bar graph: Number of Students vs Sandwich Fillings)
- ham and cheese: 12
- salad: 4
- honey: 8
- jam: 9

This graph represents the data fairly and clearly. Let's now have a look at how this graph could be changed to change the way viewers might interpret the information it contains.

a. The **scale** on the **vertical axis** may not start at zero. In this graph, it would make it look as though nobody likes salad sandwiches!

Favourite sandwich fillings of students in Year 4

b. The **scale** on the **vertical axis** may be unevenly distributed. In this graph, the **scale** changes from 8 onwards. This makes it look as though ham and cheese, and jam sandwiches are far more popular than they really are.

Favourite sandwich fillings of students in Year 4
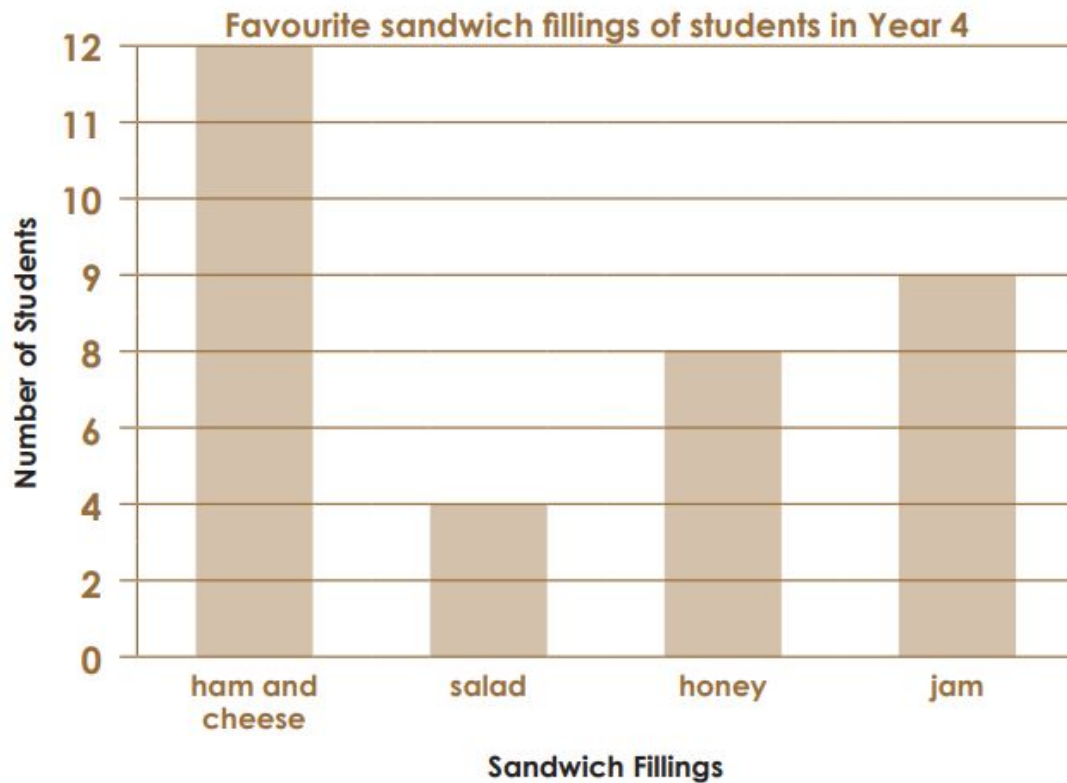
Kate then created a graph to display the data she had collected.

Have a look at the graph Kate created below and complete the activity on the following page about this graph.

Favourite Foods
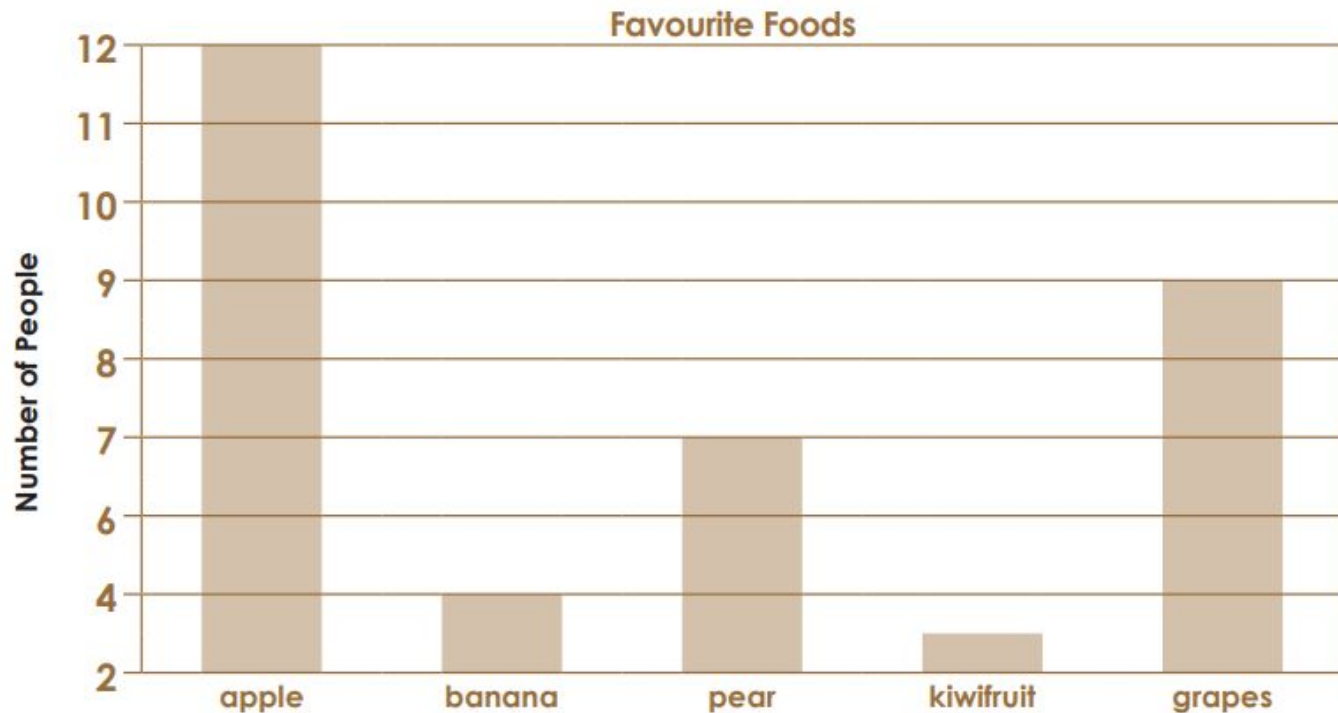
Identify and list all of the problems with Kate's graph that make it **misleading**.

1. _____
2. _____
3. _____
4. _____

REC Make a recording to tell your teacher why it is important to represent data clearly and correctly when you are creating a graph.

Do this activity on paper and send a photo to your teacher.

Friday

Lesson 5

Ignition Activity 5

Sudoku

Maths Clash

Complete the Skill Tester independently.

Look at the table below and complete the tasks that follow.

Current Populations of Endangered Species in the Wild

Giant Panda	2 000
Polar Bear	25 000
Cheetah	10 000
Snow Leopard	6 500
Blue Whale	25 000
Sumatran Orangutan	7 000

What scale would you use if you were going to create a picture graph of the data in this table? (e.g. How many animals would each picture represent in your key?) Why have you chosen this scale?

Do you think a column graph or a picture graph would be the best way to represent this data? Give at least two reasons to support your choice.

Look at the graph below and answer the questions that follow.

New Cars Bought in November by Colour

A bar graph with the y-axis labelled "Number of Cars Bought" ranging from 0 to 450 in increments of 50, and the x-axis labelled "Car Colours" with categories: white, silver, red, yellow, black.

- white: 425
- silver: 375
- red: 225
- yellow: 175
- black: 225
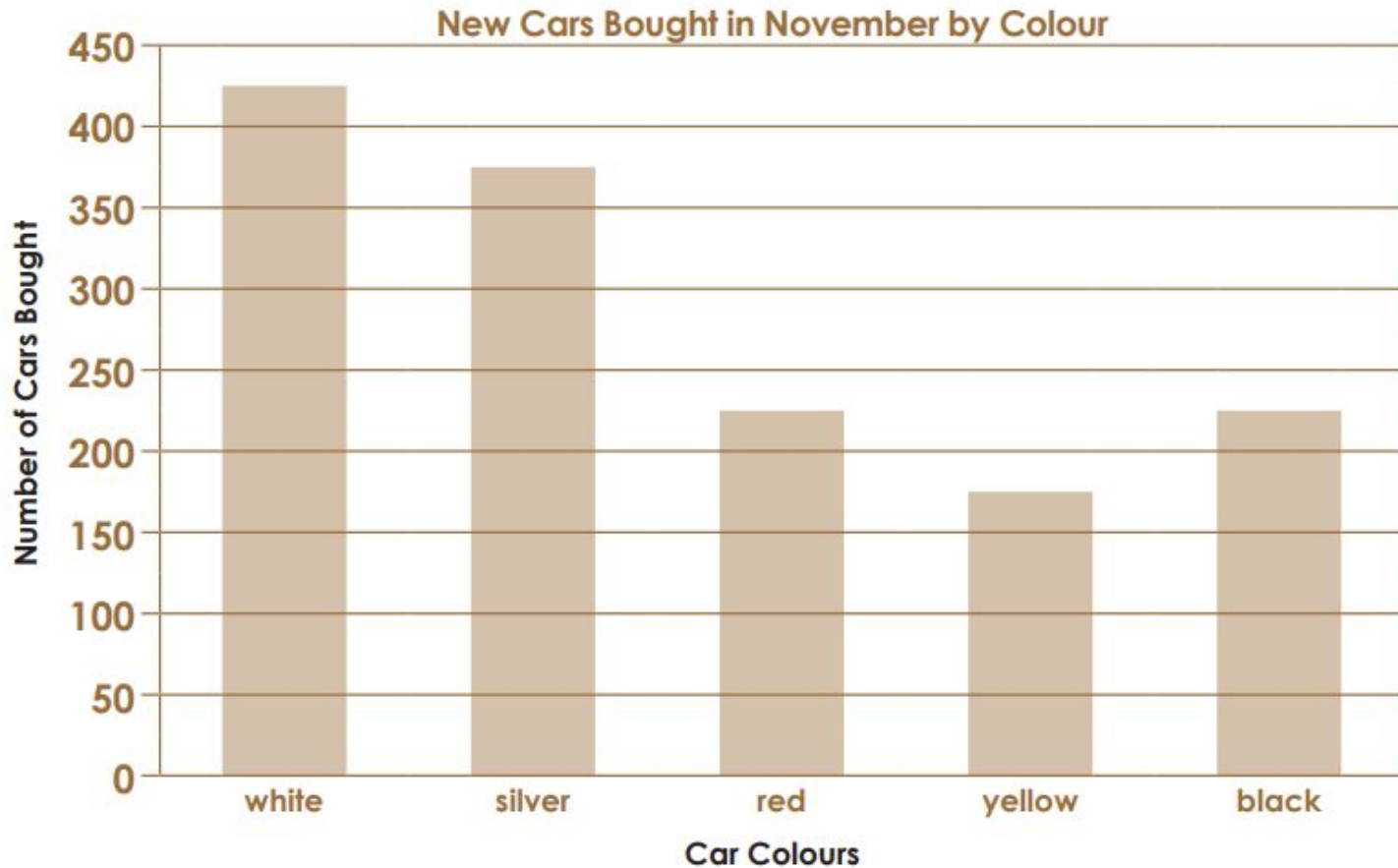
Answer the following questions relating to the graph on the previous slide. You can type directly into the text box.

1. What car colour was the most popular in November? _____

2. What car colour was the least popular in November? _____

3. How many cars in total were bought in November? _____

4. How many brightly-coloured cars (red and yellow) were bought in November? _____

5. How many more people bought silver cars than black cars in November? _____

6. What scale has been used on the vertical axis to show the number of cars bought?

7. List two features of this graph that make it an accurate display of data.

8. Do you think a column graph was the best way to display this data? Why or why not?

Week 5 Term 3

Exploring Antarctica

Here is the link that you will need to explore Antarctica each day.There will be a new feature of Antarctica to investigate each day this week. Use the blank slides provided to complete each task.

https://antarctic-explorer.au-syd.cf.appdomain.cloud/0

Monday

[Early Explorers](#) – Delve into the history of early Antarctic Explorers

- Explore the exhibition jobs that Mawson included in his team. Click on the job that interests you the most and write 3 interesting facts about this job. Remember you can ask a question in the question tab on the site too.

- Explore the rest of the explorers section of the Antarctica site, including Mawson's Main Bse Party of explorers.

- After you are familiar with the information on explorers, take the quiz of Early Explorers by clicking on the icon

TAKE THE QUIZ CHALLENGE

Early Explorers Answers

Write about the exhibition job that interests you most here:

How did you go in the quiz?

Tuesday

[Penguins](#) – Discover the species or penguins in the northern and southern hemispheres, facts and Antarctic living for these wonderful creatures

Answer the following questions here:

How many species of penguin are there and where do they all live?

How many of the 18 species set foot on Antarctica? Which species are these?

Click on your favourite species of Antarctic penguin. Create a poster of your penguin on the following slide using images, fun facts and interesting information.

Take the Penguin Quiz when you have finished exploring ALL the penguin information.

TAKE THE QUIZ CHALLENGE

Complete your Penguin Poster Here

Antarctica Facts

Choose 3 sections in the Interesting Facts section.

Use the information you have learnt to write a paragraph about Antarctica. It would be great to use some statistics from what you have read.
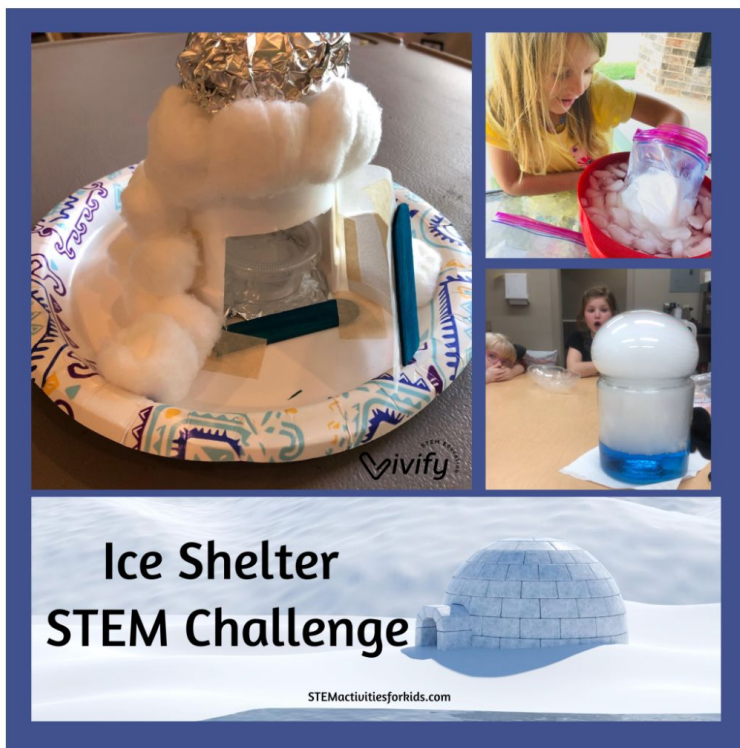
TAKE THE QUIZ CHALLENGE

Take the Interesting Fact Quiz when you have finished exploring ALL the information.

Thursday

Watch this great video on Antarctica by clicking on the seal.

After watching the video, list 5 fantastic adjectives to describe Antarctica.

Ice Shelter STEM Challenge

STEMactivitiesforkids.com

"Phew! You have made it across the icy sea, but now it is getting late and you must seek shelter for the night to protect your team. Build an insulated shelter prototype that maintains a safe temperature inside and has a working door.

You can use any materials that you can find at home to create your Antarctica shelter.

Include a picture or video of your shelter on this slide.

The winning shelter will be awarded 5 Hoots. All students that participate will be awarded 2 Hoots.

Have fun!

DIRECTIONS: Find and circle the vocabulary words in the grid. Look for them in all directions including backwards and diagonally.

Antarctica

```
E L O P H T U O S D E S O L A T E H P
G T W V J F G V C F N W R E E F O K S
A T U S F G B N U K O U L X Y T Y R I
Q O U L T R L Y S U Z I P P C H M G A
P C N F R A O A S V O O P L I S P C J
M S T Y S U T Z C K K N Y O N J I O U
H K F E U H Q I E I S S D R A T S N X
S H A C K L E T O N E L P E C Q N T D
M L F P N R H M T N O R K R L B I I F
S Z L H P Y J Q M C Q D A I O Q U N H
H G W L T L P H K H M T S E S M C E C
T S Y L I K B U K I N B G I P N O N R
Z A I X B R S G S A I D C M N L E T A
D R M F Y J K W H A L E S U E G P P E
Y Y F Q R R N W T W D X L U R D Y O S
K I G C D T R N Q J I R R S P P M E
I C K C A M U N D S E N O Y A I U G R
Z E P K U O Q T R E S E D J B L O W U
I Y X F M A U X I V Z M E Y F Z N M Q
```

Amundsen	Desolate	Ice	Seals
Antarctica	Dry	Krill	Shackleton
Barren	Explorer	Mountains	South Pole
Byrd	Fish	Ozone	Station
Cold	Fjord	Penguins	Volcanic
Continent	Frozen	Research	Whales
Desert	Glacier	Scott	Windy

Friday

Use the formatting drawing or highlighting tools to underline, circle or highlight the Antarctica words.

Test your overall knowledge of Antarctica here.

TAKE THE QUIZ CHALLENGE