

How can we help you and your child learn and it be engaging but also manageable?

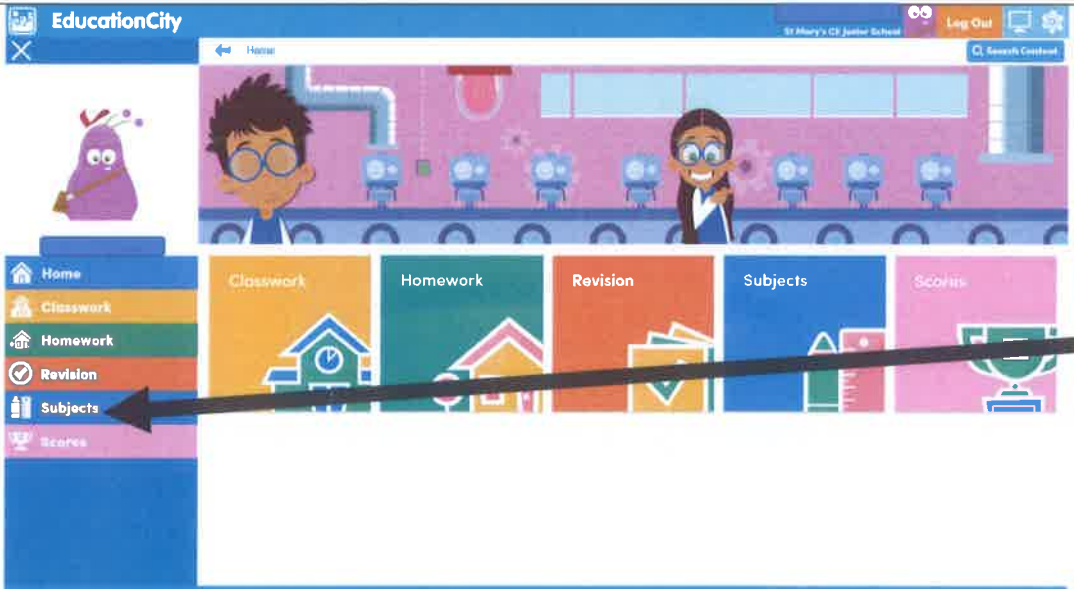
Using the Education city website, we think that your child will be able to have a little practice at a skill or new idea, then be able to use the activity sheets that we have already downloaded and put together in one pack for the whole week which includes a reading, writing, maths and science opportunity for each day. We can also download the answer sheets and have put these together as a pack for each week too.

ADAPT THIS TO FIT INTO YOUR CIRCUMSTANCES.

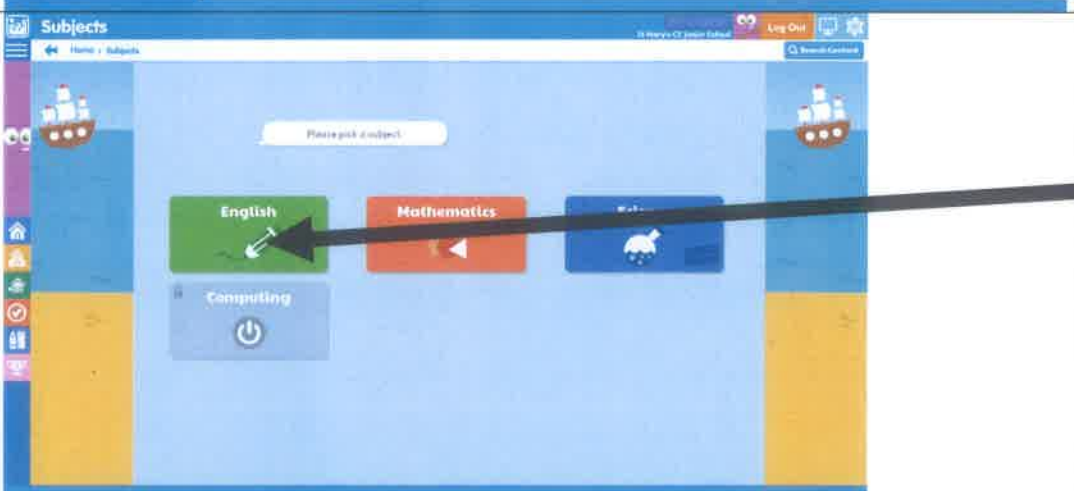
HELP! My child has not got a log on - All year 5 children got a home user pass before we had to close school – email us if your child can't find it and we can send it out.

In addition to this, each week we have also included some other learning opportunities that some of your children may want to do. Whatever is happening for you while you are away, do email us and let us know how things are going, we'd really appreciate some feedback if you get the chance.

AND REMEMBER AS WE SAID IN OUR UPDATE (26.3.20) "WHILST CONTINUING WITH LEARNING IS IMPORTANT, WE WOULD ASK THAT YOU DO NOT PUT YOURSELF UNDER UNDUE PRESSURE."



Once logged into Education city, it looks like this.
Click here "subjects"



Select the subject...
English has been selected for this example



Then select the year group
Year 5 has been selected for this example

English
Year 5

Then select "activities"

English: Year 5 Activities

Then there is a choice, here Reading has been selected

English: Year 5 Activities

Select the named task that is in your pack

English: Year 5 Activities

Alligator Alliteration

Play

Amazing Words

Lastly, select "play" and this will give some teaching input. Once finished the activity sheet and answers are in the document from the school website

Week 1 overview – Space and the Ancient Greeks themed (ish) plus place value (what’s a number worth)

Day	Subject	Name of Activity on Education City	What are we learning?
1	Reading	“Daedalus and Icarus” Read the Greek myth on the internet then answer questions in this pack	Demonstrate understanding of the story by answering questions.
1	Writing	Homophone Hero	Understand that homophones are words that are pronounced the same but spelt differently and have different meanings.
1	Maths	Strictly Talented	Know what each digit represents and partition into millions, thousands, hundreds, tens and units.
1	Science (in the Earth & Space section)	Solar Stroller	Identify the position of the planets and Pluto within the Solar System.
2	Reading	Mystery Diner	Read a passage and predict what might happen from details stated and implied in the text. Answer comprehension questions about the text.
2	Writing	Knight Typer	Spell the words from the word list.
2	Maths	Arcade Champion	Order and compare numbers up to 1,000,000 by recognising the value of each digit.
2	Science	Planet Watch – Earth, Sun and Moon (Stig on Moon)	Describe the movement of the Earth, and other planets, relative to the Sun in the solar system
3	Reading	Lost Clause	Read a story of modern fiction and demonstrate understanding by answering questions.
3	Writing	Let’s Eat Granny	Read and select the sentences that use commas correctly to clarify meaning.
3	Maths	The Final Frontier	To count forwards or backwards in steps of powers of 10 for any given number up to 1000000.
3	Science	Manu in the Moon	Name and describe the phases of the moon in the lunar cycle.
4	Reading	Look at the Flip Side	Read the text and answer questions.
4	Writing	Hammer Time	Learn how to spell words which sound like –cial after a vowel letter and –tial
4	Maths	Pinball Star	To round any whole number from 1 to 1,000,000 with a required degree of accuracy.
4	Science	Planet Watch - Earth, Sun and Moon facts (Stig & Alien)	Describe the movement of the Moon relative to the Earth
5	Reading	Move the Goalposts	Select the sentences that are fact and opinion.
5	Writing	Halley’s Comma	Apply knowledge of various punctuation to correctly punctuate sentences.
5	Maths	Shiver and Quiver	Use negative numbers in the context of temperature.
5	Science	High Noon	To know about the movement of the sun in the sky and the effect this has on shadows.

The More Open tasks for this week – remember no need to put yourselves under undue pressure

Create a sundial – template in this week’s pack



Now using the sellotape, stick the bottom of the gnomon to the base of the sundial.



The gnomon should stand up by itself, but you may need to secure it with some more sellotape at its base.



Find north with the compass - you'll need to slowly turn in a circle until the pointer points north.



Once you find north, place the sundial on a flat surface and line up the arrow on the top of the sundial so it points north. Make sure the sun is shining!

You should now be able to tell the time!

You can make this sundial with different coloured paper or make it stronger by sticking the templates on to card (old flattened cereal box)

Fancy a trip into Space?

At the back of the pack are details about Virgin Galactic and Space travel as tourism! Take a look through the details and see what you think. These resources came from “Picture News” and we thought they fitted rather well with this week.

SHARE with us (email in pictures) of any planet research that you carry out at home or any diaries that are written about a flight on the Virgin Galactic.

Many thanks and best wishes,

The Year 5 team



Daedalus and Icarus

Activity Sheet

Name: _____

Class: _____

Can you answer questions about the Legend of Daedalus and Icarus?

1 Why did the Gods create the Minotaur?

2 What does impetuous mean?

3 Why was King Minos angry with Daedalus?

4 What was at the heart of the labyrinth?

5 Where did Daedalus get his idea to escape from?

6 What did Daedalus use to create his wings?

7 What causes Icarus' wings to fall off?



Name: _____ Class: _____

8 Do you think Daedalus was responsible for his son's death?

Put the events from the story in the correct order by numbering them from 1 – 6.

9 Theseus entered the labyrinth, and slayed the Minotaur. _____

Daedalus warned Icarus not to fly too close to the sun. _____

The gods created the Minotaur to punish King Minos. _____

The daughter of King Minos asked Daedalus to help her save Theseus.

Icarus plummeted into the sea. _____

The king commissioned Daedalus to build a giant labyrinth. _____

Answer true or false to the following statements:

10 The Minotaur was half lion, half man. _____

11 The labyrinth was difficult to navigate. _____

12 King Minos was pleased that Daedalus helped Theseus escape the Minotaur. _____

13 Daedalus created wings out of chicken feathers. _____

14 The daughter of King Minos was in love with Theseus. _____

15 Daedalus constructed a pair of wings for both him and Icarus.



Name: _____

Class: _____

Choose the correct homophone for each sentence below.

- 1 Stig _____ the football pitch on the way to school every morning. (passed/past)
- 2 Granny said the _____ of cake she ate was delicious. (peace/piece)
- 3 Klara walked _____ the park to get to the cinema with her friends. (threw/through)
- 4 Stig won a gold _____ at the archery competition. (medal/meddle)
- 5 The _____ gently nudged the fawn onto its feet. (dough/doe)
- 6 The _____ outside looked cold, even for December. (whether/weather)
- 7 Manu went for a walk along the river with his _____. (father/farther)
- 8 Stig wondered if he was _____ to go out with his friends after school. (allowed/aloud)
- 9 The horse was getting very excited, so the groom held onto his _____ to calm him down. (reign/rein)
- 10 Granny could feel a _____ coming through the back door, making her feel cold. (draft/draught)



Name: _____

Class: _____

Write a sentence with each homophone below.

11 raise _____

rays _____

12 idle _____

idol _____

13 weary _____

wary _____

14 complement _____

compliment _____

15 current _____

currant _____





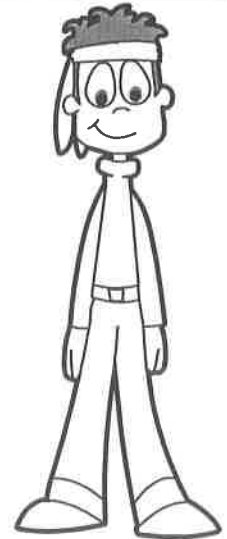
Strictly Talented

Activity Sheet

Name: _____ Class: _____

Jack Jump was carrying the voting cards, but then he accidentally dropped them. Help put the numbers back in order to make the:

9	4	3	2	3	7
---	---	---	---	---	---



1 Lowest score:

--	--	--	--	--	--

1	4	4	2	5	8
---	---	---	---	---	---

2 Highest score:

--	--	--	--	--	--

Jack Jump has been asked to announce the winners. Can you write the scores as numbers for him to read?

3 two hundred and thirty-eight thousand, nine hundred and one



4 four hundred and twelve thousand, nine hundred and thirty-three

5 four hundred and two thousand, eight hundred and twelve

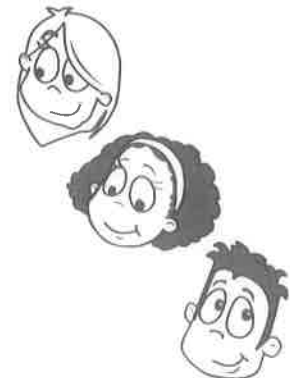


It's time for the big announcement! Can you put the scores above in order from smallest to largest?

6 _____

7 _____

8 _____



Work with a partner. Draw six boxes each. Take turns rolling a dice and decide where to put the numbers after each roll. Try to place the digits to make the largest number. The winner is the one with the largest number.

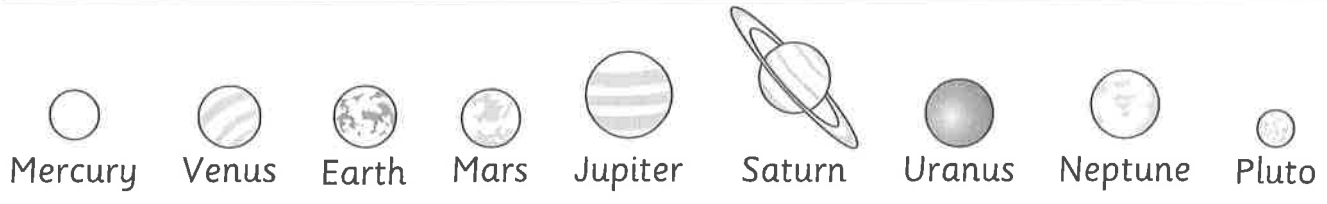


Solar Stroller

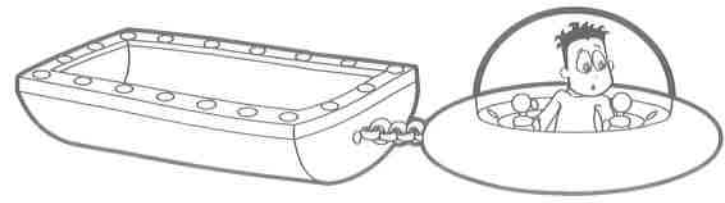
Activity Sheet

Name: _____ Class: _____

Fill in the blanks to complete the sentences.



- 1 **Mercury** is the _____ planet to the Sun. The half of the planet facing the Sun is very _____ but the side facing away is very _____. It is the _____ smallest planet.
- 2 **Venus** is very hot because its thick _____ traps _____. It spins in the opposite _____ to the Earth. Its days are longer than its _____.
- 3 **Earth** is the only planet known to support _____, and it has _____ on its _____. It has one _____.
- 4 **Mars** is known as the _____ planet, and is named after the Greek god of _____.
- 5 **Jupiter** is by far the _____ planet. It is made only of _____. It has four _____ moons and many _____ ones. Its mass is _____ times that of Earth.
- 6 **Saturn** is famous for its _____. It is the second biggest planet, and is a _____ giant, made of mainly _____ and _____.
- 7 **Uranus** is the second _____ of the gas giants, but the third _____ planet overall. It has 5 large _____ and at least 22 _____ ones.
- 8 **Neptune** is the _____ biggest planet overall, but is the _____ of the gas _____. It has 13 _____.
- 9 **Pluto** is now known as a _____ planet. It has one moon called _____.





Name: _____

Class: _____

Read the text extracts and answer the questions.

The moon shone brightly, lighting up patches of forest floor, through the thick branches. Sarah and Emma had walked for what felt like days, they had completely lost track of time, but they knew they needed to find shelter. "That looks like a cave," Emma said squinting, and pointing towards a large shadow up ahead.

1 What do you think happened next?

There was a fierce storm on the horizon. Captain Sea Beard looked down to where his crew had started adjusting the sails and tying down the supplies. He had sailed successfully through many storms, but this was different. This looked menacing. He shouted down to his first mate, "This is the worst I have ever seen!"

2 What does the phrase 'This looked menacing.' suggest? How does it help the reader to predict what might happen if they enter the storm?

The flight attendant looked nervous. "They aren't supposed to look nervous," Claire thought. "Of all the people on this rocket, they should look the most calm." Did they know something she did not? This was the first flight of the JH2X4 rocket to the Moon. Professor Linford who had worked tirelessly on it for over twenty years, led the mission.

3 Predict what will happen.



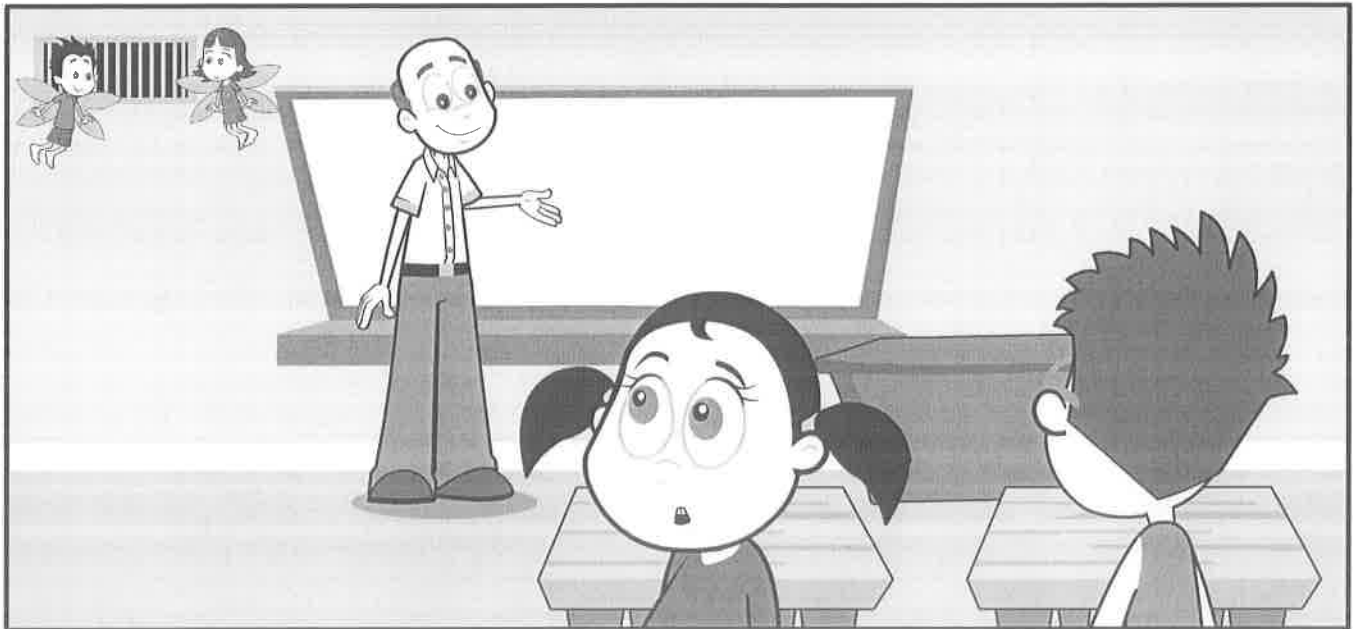
Name: _____

Class: _____

Logic was trying to convince Sarah that she was mistaken, but she knew what she had seen. The tail was magnificent; layered with beautiful, pearlescent scales. She had caught a glimpse of long blond hair, as it disappeared deep into the water. These were creatures of myths, described in fantasy stories, not living things. Could she have seen what she was certain she had? Was her mind just playing tricks on her? Sarah's eyes were drawn to one of the boats; it rocked gently, something had disturbed the water.

4 What do you think Sarah had seen? What do you think happened next?

Look at the picture, and discuss the questions with a partner.



- 1** Describe the scene.
- 2** How does the scene make you feel?
- 3** How would you describe the sprites?
- 4** If you were the boy, what would you do?
- 5** What will happen next?





Name: _____

Class: _____

Select the correct spelling for each of the sentences below and insert in the space provided.

- 1 The cat was filled with _____ when it crept into the dark and dusty shed.

curiosity/curiocity

- 2 Nobody wanted to cook dinner that evening, so they decided to eat out at a _____.

restarant/restaurant

- 3 It was a little scary walking through the _____ when it was dark.

cemetery/cemetry

- 4 Rome has many _____ buildings that have been around for over two thousand years.

ancient/anciant

- 5 Gran loved going to the car boot sale for a _____.

bargin/bargain

- 6 Emma was _____ to learn all her French verbs before class on Monday.

determaned/determined

- 7 Meg was worried that she was lost, when suddenly she saw a street that looked very _____.

familiar/familier

- 8 Rosa was running along the beach with her dog, who was a bit of a _____, because he kept jumping between her feet.

hindrance/hinderance



Name: _____

Class: _____

Select the correct spelling for each of the sentences below and insert in the space provided.

- 9 Manu was so tired after a busy day at school, that he went to bed and _____ fell asleep.

immediately/imediately

- 10 The thunder roared in the night and the _____ lit up the sky like it was daytime.

lightening/lightning

- 11 Everybody loved the puppy, even if he was a little _____ and chewed Dad's shoes.

mischievous/mischievous

- 12 It was too late for Stig to enter the Spelling Bee, he had missed his _____.

oportunity/opportunity

- 13 It was a _____ to be awarded the Outstanding Achievement award for Science.

priviledge/privilege

- 14 They were excited about going to the cinema, until they saw the huge _____ outside.

que/queue

- 15 Chip really enjoyed the TV program, so he decided to _____ it to Meg.

recomend/recommend





Arcade Champion

Activity Sheet

Name: _____

Class: _____

Use a place value chart like the one on the resource sheet to order the numbers from smallest to largest.

1	74,083	488	6,033	32,353	616,460
2	5,094,265	948,243	16,413	724,534	755,621
3	182,831	375,354	32,827	8,917,731	6,077,648
4	3,062,773	2,194,905	8,893,452	960,544	4,772,812
5	4,252,716	701,315	6,862,208	3,302,512	5,064,128
6	9,374,659	4,441	9,882	4,002	6,670,131
7	4,314,979	4,627,489	34,714	4,636,458	3,524,366
8	4,734	9,076	4,321,839	4,154,758	9,060
9	8,505,864	5,121,934	4,926,606	6,291,177	2,370,309
10	6,045,715	9,738,907	1,853,551	811,437	7,863,056
11	2,541,735	977,384	413,411	2,299,352	3,412,173
12	2,474,041	5,973,052	5,334,085	6,641,453	8,149,666
13	2,808	54,591	76,059	29,126	14,409
14	1,885,606	8,307,582	4,156,243	1,776,797	3,539,225
15	2,204,851	4,419,871	4,021,653	1,291,294	4,298,995
16	4,132,213	9,351,745	7,892,924	5,194,531	1,622,964
17	5,522,762	8,057,849	9,111,686	3,245,676	5,964,768
18	6,869,346	7,031,559	125,820	7,021,155	167,256
19	1,201,091	4,314,087	810,358	867,910	1,603,102
20	43,550	4,306	43,224	43,578	4,346
21	1,284,816	959,497	2,406,762	2,456,717	952,208
22	2,372,604	2,537,405	4,523,979	6,962,437	2,752,574
23	6,814,643	9,571,567	2,445,826	2,670,042	6,679,132
24	6,949,265	629,785	346,275	9,437,863	1,596,964
25	7,181,798	849,158	846,835	8,438,372	7,398,404
26	2,917,944	2,955,148	2,903,444	2,871,452	2,947,087
27	5,496,072	9,648,785	7,688,074	6,280,699	5,481,933
28	147,256	1,472,977	147,561	1,472,348	1,475,779
29	7,028,134	3,216,133	5,112,485	3,842,134	7,028,761
30	5,090,462	8,323,357	356,572	9,472,236	6,837,253



Name: _____

Class: _____

Draw lines to join the boxes.

axis

an object that orbits a planet

satellite

the path of an object going round another object

8

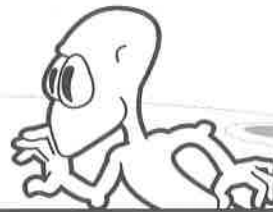
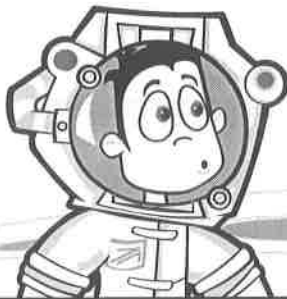
a line running from north to south through the centre of a planet

orbit

the number of days it takes the Moon to orbit the Earth

28

the number of planets in the Solar System (not including Pluto)



Fill in the gaps using words from the list.

burning gas Moon year day and night 24 hours
 Sun Earth axis shadow

The Sun is made from _____. The Earth orbits the _____, and the _____ orbits the _____.

It takes the Earth one _____ to orbit the Sun. The Earth also spins on an _____. This results in _____.

The part of Earth facing the Sun receives daylight and the part that faces away from the Sun is in _____. One rotation takes _____.

Make a map of the Earth, Sun and Moon. If the Earth was 1 cm across (diameter), the Sun would be 110 cm across and the Moon 0.25 cm. Draw the 3 objects on a large sheet of paper. You will need a ruler, compass and pencil.



Name: _____

Class: _____

Read the text and answer the following questions.

First Day at School

It was my first day in my new school, and I was feeling extremely nervous. I was on my own, waiting for the teacher to take me to the classroom. The trouble was, when I was nervous, I would say really silly things. I would get my words mixed up, stutter and talk complete rubbish. I wanted to make a good first impression on my new school friends, so I had to come up with a plan. I decided to say as little as I could, so that I wouldn't say anything embarrassing.

Before long, Mr. Lockwood arrived to take me to my new class.

"Welcome to our school, Klara," Mr. Lockwood said, smiling. "I hope you haven't been waiting long?"

I shook my head.

Smiling again, Mr. Lockwood said, "Did you walk to school, or come in a car?"

I had to answer this. I decided to make the action of steering a wheel to mime driving in a car. At this point, Mr. Lockwood's smile slipped a little.

He tried again.

"I hope you will be very happy here," he said with a grin. To which I shrugged my shoulders, and his face creased into a slight frown before he quickly changed back to a friendly smile. OK, so now I was coming across as rude.

We walked into the busy classroom, and Mr. Lockwood gave me a seat next to the children who he introduced as Manu and Emma.

"Hello, how are you?" asked Manu.



Name: _____

Class: _____

I replied to this by putting my thumbs up. Mr. Lockwood and Manu exchanged glances and I realised my plan may be backfiring. I knew my face looked strange and scared - not what I had intended at all!

I had to make my mind up, and fast. I needed to say something interesting, groundbreaking and fascinating that would make me sound exciting and a fun friend to have. I had to stop panicking, this wasn't the end of the world, just my first day at school. Then I remembered what my mum had said; she told me to smile and be friendly. OK, I'll smile. I grinned from ear to ear, and Emma looked shocked at my sudden change in demeanour. I think I was now starting to look a little crazy, which was the complete opposite of what I wanted to achieve. Manu turned away and started to write in his book. Mr. Lockwood looked uncomfortable, and I could see he was struggling for something to say too.

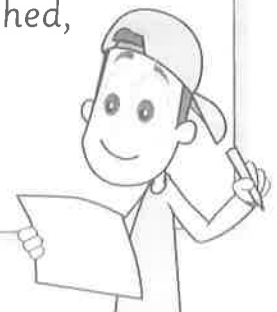
This was catastrophic! I realised I was making a huge mistake, and was coming across exactly as I had feared, even without speaking. I decided the only thing I could do was be me, and just hope that everyone would like me, boring as I thought I was.

"I'm sorry, I'm a little nervous with it being my first day," I managed to spit out, eventually.

I could see Emma's shoulders visibly relax.

"Oh I am glad, I did think you seemed a little tense," she said kindly. Manu and Mr. Lockwood smiled at me too, with relief in their eyes.

I started to relax. I spotted Emma's colourful pencil case in front of her. "I like your pencil case," I said to Emma. We all laughed, "I mean pencil case!"





Name: _____ Class: _____

1 What point of view is the story being written in?

2 Who is telling the story?

3 How does Klara feel on her first day at her new school?

4 What does Klara worry about on her first day?

5 What was Klara's plan for her first day?

6 Why did Manu and Mr. Lockwood "exchange glances"?

7 What do you think "backfiring" means?

8 How did Klara's demeanour change suddenly?

9 How do you think Klara appeared to Mr. Lockwood?

10 Why did Manu turn away?

11 When did Klara realise she was making a "huge mistake"?

12 How do you think Klara will get on at her new school?



Name: _____

Class: _____

Select the sentence that uses the commas correctly, to match the meaning in the questions.

- 1** Select the sentence that explains what Stig, Sten and Manu did, before they left the basketball game.

Before, leaving the basketball game Stig, Sten and Manu ate all their hotdogs.

Before leaving the basketball game, Stig, Sten and Manu ate all their hotdogs.

Before leaving the basketball game Stig, Sten and Manu ate all their hotdogs.

- 2** Select the sentence that show the three things that Klara likes.

Klara likes cooking Manu, and playing tennis.

Klara likes cooking, Manu and playing tennis.

Klara likes cooking Manu and playing tennis.

- 3** Select the sentence that shows you must stop, when the ducks are crossing the path.

The sign at the park read: "Stop ducks crossing, the path."

The sign at the park read: "Stop ducks crossing the path."

The sign at the park read: "Stop, ducks crossing the path."

- 4** Select the sentence that explains what Stig and Sten did, after they left Granny.

After they left Granny, Stig and Sten bounced on the space hoppers.

After they left, Granny, Stig and Sten bounced on the space hoppers.

After they, left Granny, Stig and Sten bounced on the space hoppers.



Name: _____

Class: _____

- 5** Select the sentence that explains what Klara, Stig and Sten did after they hid.

After hiding, Klara, Stig and Sten went outside to play.

After hiding Klara, Stig and Sten went outside to play.

After hiding Klara Stig and Sten went, outside to play.

- 6** Select the sentence that shows Granny, Stig and Manu locked the door behind them.

Before leaving Granny, Stig and Manu locked the door behind them.

Before, leaving Granny, Stig and Manu locked the door behind them.

Before leaving, Granny, Stig and Manu locked the door behind them.

- 7** Select the sentence that shows the policeman is saying the robber is lying.

“The policeman,” said the robber, “was lying.”

The policeman, said the robber, was lying.

The policeman said the robber was lying.

- 8** Select the sentence that shows they walked through the car park quickly.

They walked through the car park quickly, worried that they were late.

They walked through the car park, quickly worried that they were late.

They walked through the car, park quickly worried that they were late.



Name: _____

Class: _____

Read the sentences and add commas to clarify the meaning.

- 9** Show that Klara entered the shopping mall quickly.

Klara entered the mall quickly wondering which shop to go to first.

- 10** Show that Stig pulled back the curtains quietly.

Stig looked outside quietly pulling the curtains back.

- 11** Show that Manu rode his bike happily.

Manu rode his bike happily singing along to the music in his headphones.

- 12** Show that Granny was cooking.

Whilst Granny was cooking Stig finished his homework.

- 13** Show that Stig, Sten and Klara all went bowling.

After bowling Stig, Sten and Klara counted up the score.

- 14** Show that Stig was riding his scooter quickly.

Stig rode quickly thinking about the other scooters behind.



Name: _____ Class: _____

Count on from each of these numbers in thousands:

1 47,030, _____ , _____ , _____ , _____

2 673,430, _____ , _____ , _____ , _____

3 12,010, _____ , _____ , _____ , _____

Count on from each of these numbers in ten thousands:

4 24,567, _____ , _____ , _____ , _____

5 595,123, _____ , _____ , _____ , _____

6 17,980, _____ , _____ , _____ , _____

Count on from each of these numbers in hundred thousands:

7 39,234, _____ , _____ , _____ , _____

8 698,968, _____ , _____ , _____ , _____

9 13,234, _____ , _____ , _____ , _____

Count back from each of these numbers in thousands:

10 54,879, _____ , _____ , _____ , _____

11 632,123, _____ , _____ , _____ , _____

12 19,456, _____ , _____ , _____ , _____

Count back from each of these numbers in ten thousands:

13 77,879, _____ , _____ , _____ , _____

14 565,123, _____ , _____ , _____ , _____

15 1,175,745 _____ , _____ , _____ , _____

Count back from each of these numbers in hundred thousands:

16 739,879, _____ , _____ , _____ , _____

17 998,154, _____ , _____ , _____ , _____

18 1,893,013 _____ , _____ , _____ , _____



Name: _____

Class: _____

Increase each of these numbers by 30,000.

19 12,456 _____

20 3232 _____

21 234 _____

Increase each of these numbers by 6,000.

22 1,123,899 _____

23 423,989 _____

24 498 _____

Increase each of these numbers by 500.

25 989,433 _____

26 76,545 _____

27 2898 _____

Increase each of these numbers by 400,000.

28 13,678 _____

29 1,865,789 _____

30 576 _____

Decrease each of these numbers by 70,000.

31 898,658 _____

32 98,254 _____

33 1,893,567 _____

Decrease each of these numbers by 500,000.

34 2,678,565 _____

35 1,435,879 _____

36 567,890 _____

Decrease each of these numbers by 8000.

37 13,456 _____

38 1,568,345 _____

39 72,128 _____

Decrease each of these numbers by 700.

40 19,998 _____

41 42,896 _____

42 1,012,012 _____





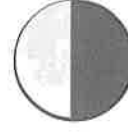
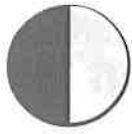
Manu in the Moon

Activity Sheet

Name: _____

Class: _____

Cut out the phases of the Moon and stick them in the spaces below to show the phases of the lunar cycle. Write the name of each phase in the space provided



1

new moon

2

8

3

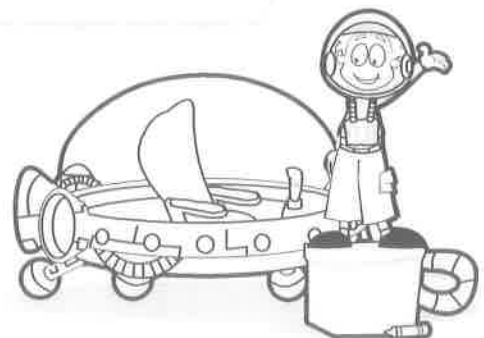


7

4

6

5





Name: _____

Class: _____

Read the passage and answer the following questions.

Keep Safe on your BMX

BMX (bicycle motocross) riding is great fun. You do however, need to think about keeping safe. Accidents are always possible, and can happen during a race, whilst practising and when riding purely for pleasure. Although injuries can happen at any time, observing safety requirements, helps keep those injuries to a minimum.

In a hospital in Sheffield, 132 BMX related accidents were recorded in the accident and emergency in 60 consecutive days. Most of the injuries were fractures, concussion and broken teeth. Wearing the correct safety gear is a requirement for any rider at club and open day events. All coaches should have a current first aid certificate, and there should be first aid people in attendance at all events.

If you are thinking of getting into BMX, here are a few of the things you will need to keep you safe: the most important thing is a helmet, as most injuries occur from the neck up. Before buying a helmet, it's a good idea to measure your head. Measure the head circumference just above the top of the ears, and buy a helmet specifically for BMX, which are strong, yet flexible. Different to a lot of helmets for other sports, a BMX helmet has full-face protection.

Gloves protect hands and give added grip. Shoes need to be flat soled trainer type shoes, preferably tough, with impact absorbing heel inserts. They need to be non-slip, so the foot feels secure on the pedal. It is important that all skin should be covered, so wear long trousers and tops, and socks that cover the ankles. Knee, shin and ankle pads are also a must have.

Then of course, you need the bike. It doesn't have to be a brand new bike, but if you are buying second-hand, make sure it is in good condition; not distorted, cracked or broken. Make sure the tyres are inflated, the pedals have grip and the chain is well greased. Make sure the bike is the right size for you too.

Once you are properly kitted out, you need to think about riding responsibly. There are lots of places to ride: skate parks, trails and also the street. If you ride on the street, always be mindful of other people in your surroundings. Take your time to learn new tricks; master those tricks before attempting new ones.

Most importantly, stay safe and have fun.



Look At The Flip Side

Activity Sheet



Name: _____

Class: _____

Write your answers in full sentences.

1 How many BMX related accidents were recorded in Sheffield's accident and emergency in 60 consecutive days?

2 What do you think consecutive means?

3 Name one of the most common BMX injuries.

4 What should all BMX coaches have?

5 How can you make sure a helmet fits properly?

6 What is different about a BMX helmet to most other helmets?

7 Why should you wear non-slip shoes?

8 Why should you wear gloves?



Name: _____

Class: _____

9 Name 3 things you need to check a second-hand bike is in good condition.

10 Name 3 places you can ride a BMX bike.





Name: _____

Class: _____

Fill in the blanks using the endings "cial" or "tial".

1 artifi _____

2 preferen _____

3 cru _____

4 inconsequen _____

5 residen _____

6 benefi _____

7 unoffi _____

8 experien _____

9 sequen _____

10 spe _____

11 superfi _____

12 ra _____

13 torren _____

14 poten _____

15 multira _____

16 substan _____

17 offi _____

18 essen _____

19 gla _____

20 mar _____

Fill in the blanks with these spelling exceptions.

21 finan _____

22 ini _____

23 spa _____

24 pala _____

25 provin _____

26 commer _____

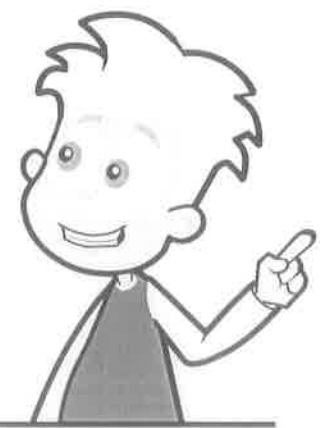
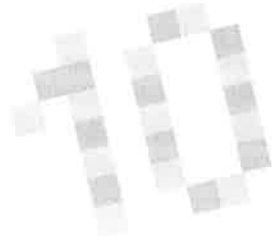
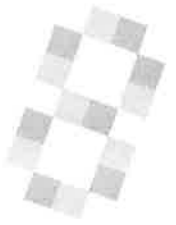
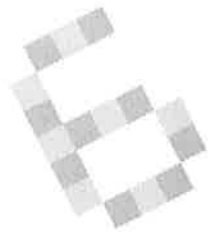




Name: _____ Class: _____

Answer the questions.

- 1 Round 53456 to the nearest hundred. _____
- 2 Round 412534 to the nearest hundred thousand. _____
- 3 Round 2354 to the nearest hundred. _____
- 4 Round 600123 to the nearest ten. _____
- 5 Round 1145254 to the nearest hundred thousand. _____
- 6 Round 145989 to the nearest ten thousand. _____
- 7 Round 234104 to the nearest hundred thousand. _____
- 8 Round 12425 to the nearest hundred. _____
- 9 Round 123436 to the nearest thousand. _____
- 10 Round 37465 to the nearest ten. _____
- 11 Round 346567 to the nearest ten thousand. _____
- 12 Round 45345 to the nearest thousand. _____
- 13 Round 1456789 to the nearest hundred thousand. _____
- 14 Round 46578 to the nearest thousand. _____
- 15 Round 364456 to the nearest hundred. _____
- 16 Round 1456698 to the nearest million. _____
- 17 Round 54678 to the nearest ten. _____
- 18 Round 3756 to the nearest hundred. _____
- 19 Round 865456 to the nearest hundred thousand. _____
- 20 Round 1969561 to the nearest ten thousand. _____





Planet Watch

Activity Sheet

Name: _____ Class: _____

Use the words below to complete the sentences about Earth. One has been done for you.

orbits rock planet Moon water ~~Sun~~ daylight metal

- ① The side of Earth that faces away from the Sun has night.
- ② Earth gets all of its _____ from the Sun.
- ③ Earth is the _____ that we live on.
- ④ Earth _____ the sun.
- ⑤ The _____ orbits Earth.
- ⑥ Earth is a sphere of _____, _____ and _____.

Now complete these sentences about the Sun.

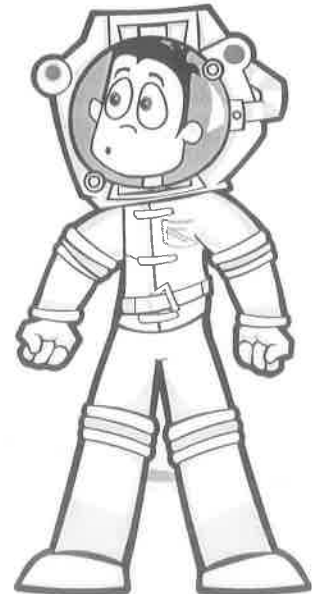
light heat star solar system gas

- ⑦ The Sun is a _____.
- ⑧ The Sun is at the center of our _____.
- ⑨ The Sun is huge ball of _____.
- ⑩ The Sun provides _____ and _____ for all life on Earth.

Now complete these sentences about the Moon.

satellite Earth Sun

- ⑪ The Moon orbits _____ every 28 days.
- ⑫ The Moon is a natural _____.
- ⑬ The Moon reflects light from the _____.





Name: _____

Class: _____

Tick all the sentences that are facts.

- 1** The marathon is 26.2 miles long.

Jimmy finished his race in 4 hours and 23 minutes.

There were too many competitors all starting at the same time.

56 runners didn't finish the race.

The marathon was one of the best that had been seen in years.

Kirsty hoped she would win the race again.
- 2** Klara caught the ball every time it was thrown to her.

Emma's team won the match.

Granny should have played better.

The crowd was too noisy.

The referee gave a penalty to the away team.

The home team thought the visiting team performed bravely.
- 3** The team qualified for the national event.

Stig's horse had four faults in the first round.

Sten's horse was the most handsome.

Manu was the fastest in the jump-off.

The event seemed to go on for ages.

Klara thought the fences were too high.
- 4** The velodrome was buzzing with excitement.

Manu had a new bike.

Stig arrived at 10 o'clock for his first race.

A different bike might have been better for Klara.

The noise from the spectators put the cyclist off.

All the races were finished by 6 o'clock.



Name: _____

Class: _____

Tick all the sentences that are opinions.

- 5** Klara was picked for the gymnastics team.

Emma didn't like the pommel horse.

Manu won a bronze medal.

The injury didn't seem to affect Granny's performance.

Stig's team could have done more to maintain the lead.

Granny coached Stig's team on Saturdays.
- 6** The freezing rain can't have helped to runners.

Stig loved cross-country running.

The race was 5 kilometres.

The course took place in the fields behind the school.

Manu came last in the race.

The course was going to be difficult to run on because of all the wet weather.
- 7** The temperature of the water was 28°C

The boys' relay race was very exciting.

Klara won the freestyle race.

There were 100 spectators around the pool.

Stig shouldn't have looked behind him when he was swimming.

Manu thought the water was too cold.
- 8** The climbing wall is 4.5 metres high.

Stig didn't like climbing up the climbing wall.

Klara scaled the wall like a squirrel up a tree trunk.

Manu felt very proud when he reached the top.

The climbing wall is made from wood.

Sten wore a harness when he climbed the wall.



Name: _____

Class: _____

Add the missing punctuation to these sentences.

- 1 The space probe arrived back it had collected data for the scientists.

_____ - _____ ; _____ : _____

- 2 After months of travel, the astronauts arrived home tired.

_____ - _____ ; _____ : _____

- 3 The glowing planets, the blue earth, the inky black sky this is what made them want to be astronauts.

_____ - _____ ; _____ : _____

- 4 There was a lot to remember spacesuits, flight tools, cameras.

_____ () _____ : _____ ; _____

- 5 Sten saw the Milky Way sparkling and shimmering through the spaceship's window.

_____ () _____ : _____ ; _____

- 6 Klara excited and eager couldn't wait to take off into space.

_____ , _____ : _____ ; _____

- 7 Sten couldn't believe what he was seeing an amazing meteor shower.

_____ , _____ : _____ ; _____

- 8 Stig was looking at the planets Mars, Jupiter and Saturn.

_____ - _____ ; _____ : _____

- 9 The earth our home is one of billions of planets in our galaxy.

_____ , _____ ; _____ : _____

- 10 The Solar system formed 4.6 billion years ago includes eight planets.

_____ () _____ : _____ ; _____



Name: _____

Class: _____

Which sentence has used the punctuation correctly?

- 11 **a** Looking through the telescope; Stig could see Mars.
b Looking through; the telescope Stig could see Mars.
c Looking through the telescope Stig could see; Mars.



- 12 **a** Asteroids made of rock, and metal, orbit the sun.
b Asteroids made, of rock and metal, orbit the sun.
c Asteroids, made of rock and metal, orbit the sun.



- 13 **a** Saturn famous for its beautiful rings is the (second biggest) planet in our solar system.
b Saturn (famous for its beautiful rings) is the second biggest planet in our solar system.
c Saturn famous for its beautiful rings is the second biggest (planet in our solar system).



- 14 **a** Klara – adjusting – her helmet went to open the spaceship door.
b Klara – adjusting her helmet – went to open the spaceship door.
c Klara adjusting her helmet – went to open – the spaceship door.



- 15 **a** Stig was looking forward: to having some home comforts comfy bed, hot bath and TV.
b Stig: was looking forward to having some home comforts comfy bed, hot bath and TV.
c Stig was looking forward to having some home comforts: comfy bed, hot bath and TV.





Shiver and Quiver

Activity Sheet

Name: _____

Class: _____

Calculate the difference between the day time and night time temperatures.
One has been done for you.

Location	Day time temp. (°C)	Night time temp. (°C)	Temp. difference (°C)
New York	4°C	-4°C	8°C
London	6°C	-1°C	
Berlin	1°C	-3°C	
Kiev	-2°C	-5°C	
Rome	8°C	-1°C	
Moscow	-5°C	-11°C	
Oslo	-9°C	-11°C	
Edinburgh	4°C	-2°C	
Paris	3°C	-3°C	



Now answer the questions below.

- 1 Which city experienced the biggest difference in temperature?
- 2 Which city experienced the smallest difference in temperature?

Choose one city and using the internet or a reference book, work out the difference between the highest summer and the lowest winter temperatures.



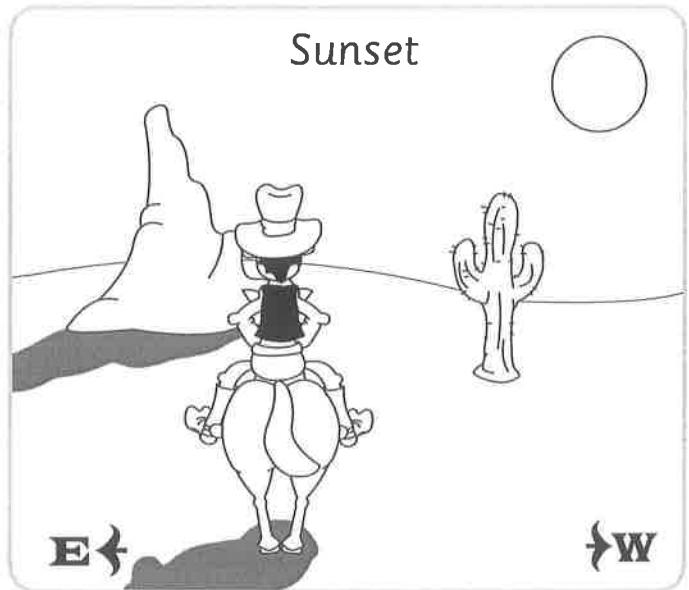
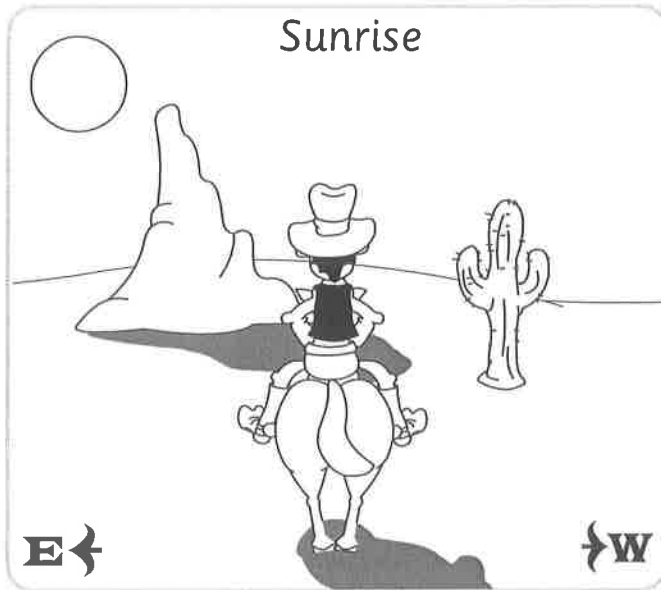
High Noon

Activity Sheet

Name: _____

Class: _____

Draw in the missing shadow for the cactus in the two drawings below.



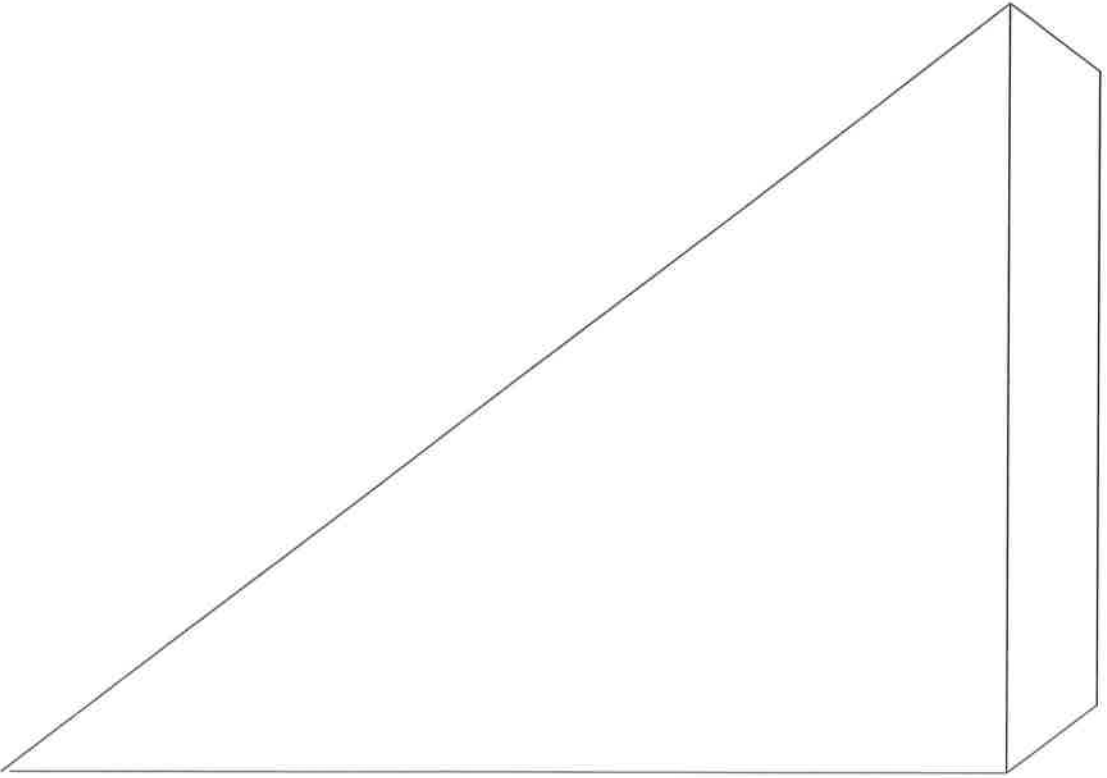
Now use the words in the boxes to fill in the blanks below.

- 1 The sun rises in the _____ and sets in the _____.
- 2 Shadows are shorter at _____ because the sun is _____ in the sky.
- 3 At _____ and _____ shadows are very long.
- 4 At _____ the side of Earth we are on is turned away from the _____.
- 5 A _____ is formed any time an object blocks the light from a _____.

light sunrise light source sunset noon
 west higher east sun shadow night



The Gnomon



Look at the resource below, which gives information about some of the people who have travelled to space.

Yuri Gagarin was the first person to fly in space. He was a Soviet Air Forces pilot and cosmonaut. He circled the Earth in a flight that lasted 108 minutes on 12th April 1961.

Valentina Tereskova was the first woman to fly in space on a solo mission on 16th June 1963. She spent three days in space and orbited the Earth 48 times.



Does any of the information surprise you? What questions do you have?

On 20th July, 1969, Neil Armstrong became the first person to step foot on the moon. Apollo 11, blasted off four days earlier carrying astronauts Neil Armstrong, Mike Collins and Edwin 'Buzz' Aldrin. Armstrong and Aldrin explored the moon for 3 hours whilst Collins orbited around the moon.

Michael Melvill was the first commercial astronaut and the first person to travel into space on a privately funded spaceship. On 21st June 2004, Melvill piloted the SpaceShipOne on its first flight.



SpaceShipOne

The total number of people who have been in space is 565.
(FAI definition)



23rd-29th March

**Do you think that space
tourism is a good idea?**



What's going on this week?

Virgin Galactic, owned by Sir Richard Branson, are one of the first companies intending to make space travel accessible to the public. The company have seen a big increase in the demand for the tickets for flights to space, the first of which will be taking place later this year. The company, who completed its first test flight in 2018, said it had received almost 8,000 registrations of interest for future commercial flights!

Main question:

Do you think that space tourism is a good idea?

Listen, think, share

- Look at this week's poster and talk about what we know about space. Have we ever heard of space tourism?
- Read through the assembly resource, which provides information on space tourism and Virgin Galactic's first planned flight. Ask the children, if they were given the opportunity to go on the flight, would they want to? Talk about our reasons why.
- What do we think would be the benefits to space travel? Can we think of any negatives?
- Explain that the cost of each ticket is nearly £200,000 for a 90 min flight and that there is a waiting list for tickets. Does this amount surprise us? Why do we think some people are willing to pay so much for this experience?
- Little is known about the long-term effects on humans from travelling into space. Do you think more research and time should be invested into investigating who is suitable to leave the Earth's orbit? Currently, astronauts have to pass extensive suitability and health tests to make sure they are in good health before they go into space.
- Watch this week's useful video, which looks at one of Virgin Galactic's trial flights. From the clip, does the trip look like what we'd imagine it to? How is it similar or different?

Reflection

Over history, the human desire to explore has been very powerful for many and led to huge advancements including, visiting all corners of the earth, air travel and even seeing people on the moon!

Question:

How many people have already travelled to space?

Listen, think, share

- What do we know about space? Can you name the planets in our solar system? What do you know about the sun? What do you know about Earth's moon? Discuss ideas and share responses.
- Explain that space often refers to everything in the Universe beyond planet Earth. How do you think we know about space? What we can see, the use of telescopes, sending space probes, sending people into space etc.
- Look at resource 2, which gives information about some of the people who have travelled to space. Does any of the information surprise you? What questions do you have?
- Focus on the number of people who have travelled to space since the first person in 1961. What do you think will happen to this number once commercial flights are introduced? Do you think it will increase at a more rapid rate or do you think the cost of the flights will cause it not to?
- Because people have travelled to space, do you think we know or understand all there is to know about space?

Why/why not?

- Would you prefer to go to space as an astronaut working to discover and learn more, on a commercial flight to enjoy the experience or would you prefer not to go at all!

Reflection

Whether travelling to space is something you might like to do or not, the introduction of commercial space travel will potentially increase the number of people who can travel to space.

KS2 Follow-up Ideas

Option 1: Imagine you are strapped into the Virgin Galactic, ready to take your first trip into space.

- How do you feel?
- What can you see, hear, smell?
- What is your body doing?
- Can you describe the Virgin Galactic? What is it like inside? Is the seat comfy?

The Virgin Galactic is setting off.

- Describe what you can see, hear and feel.
- What are the other people on board doing?
- Which journey are you going on (orbital, suborbital or lunar)?

Describe the rest of your journey. You could do this as a diary entry!

Option 2: Read and research a famous astronaut from the past. Use the following to help:

- • Who are they?
- • Why are they famous?
- • When did they first travel to space?
- • What was the name of their ship?
- • What did they do when they got to space?
- • How long were they in space for?
- • Have they made any other trips?

Use the information to create a factfile.

Virgin Galactic in space

www.youtube.com/watch?v=kmPGOHghay8

This Week's Useful Vocabulary

Accessible – able to be reached or entered.

Advancements – helping something to develop, progress or improve.

Commercial – organisations or activities that are concerned with making money and profits.

Demand – require or need.

Desire – a strong wish to do or have something.

Extensive – covers a wide range of details, ideas or items.

Tourism – the business of providing services for people on holiday.

Prompt 1



Look at this week's picture.

I can see _____

I like _____

I don't like _____

What is happening this week? Describe it using pictures, words or sentences.

How does this week's story make you feel?

I feel _____

I feel like this because _____



happy



sad



confused



worried



surprised



angry



excited



scared



silly



I'm not sure

- I think
- I feel
- I prefer
- I know
- I believe
- The best thing about
- The worst thing about

Where is it happening? Can you locate it on a map?



What is your opinion?

Prompt 2



What is happening this week? Can you describe it in your own words?

Where is it happening? Can you locate it on a map?



What do you think about this week's story? How does it make you feel?

Have you ever experienced anything like this or come across anything like this before? When was it? Where was it?



How do you think the people involved in the story feel?



How does it make me feel?

sad	angry	happy	confused	excited	worried	shocked	afraid
despondent	aggrieved	beaming	addled	animated	agitated	astonished	alarmed
disconsolate	annoyed	buoyant	baffled	elevated	anxious	astounded	apprehensive
dismal	discontented	cheery	bemused	enlivened	apprehensive	disconcerted	daunted
doleful	disgruntled	contented	bewildered	enthusiastic	concerned	distressed	fearful
downhearted	distressed	delighted	disorientated	exhilarated	disquieted	dumbfounded	frantic
forlorn	exasperated	enraptured	indistinct	exuberant	distraught	horrified	horrified
gloomy	frustrated	gleeful	muddled	thrilled	distressed	staggered	petrified
melancholic	indignant	glowing	mystified		disturbed	startled	terrified
miserable	offended	joyful	perplexed		fretful	startled	
woeful	outraged		puzzled		perturbed	stunned	
wretched	resentful				troubled	surprised	
	vexed				uneasy		

Can you describe how somebody with a different opinion to yours might feel?

What have you learned from this week's story?



Do you want to do anything about it? What could you do? Make a plan!

Look up some 'space music'. Can you describe what you hear? How does it make you feel? Can you move to it? Can you create a dance to it?

Design and make a paper aeroplane. Can you measure the distance it flies? Can you record this measurement in both metres and centimetres? Can you alter the design to make it go further?



Find out which countries have had astronauts visit space. Can you locate these places on a world map? Which country has had the most people in space?

Find out about our solar system. How many planets are there? What are they called? Can you find a rhyme to remember their position from the sun?

Design and make your own spaceship using materials you have at home. What will you use to join your materials? What colour/design will your spaceship be?

Read and research about space travel throughout history. Can you find out who was the first person to travel into space? What year did the first person walk on the moon? What else can you find out?

My Planet Fact File



Planet name _____

Position from the sun _____

Number of moons _____

Days it takes to orbit the sun _____

Any other interesting facts

Picture of my planet