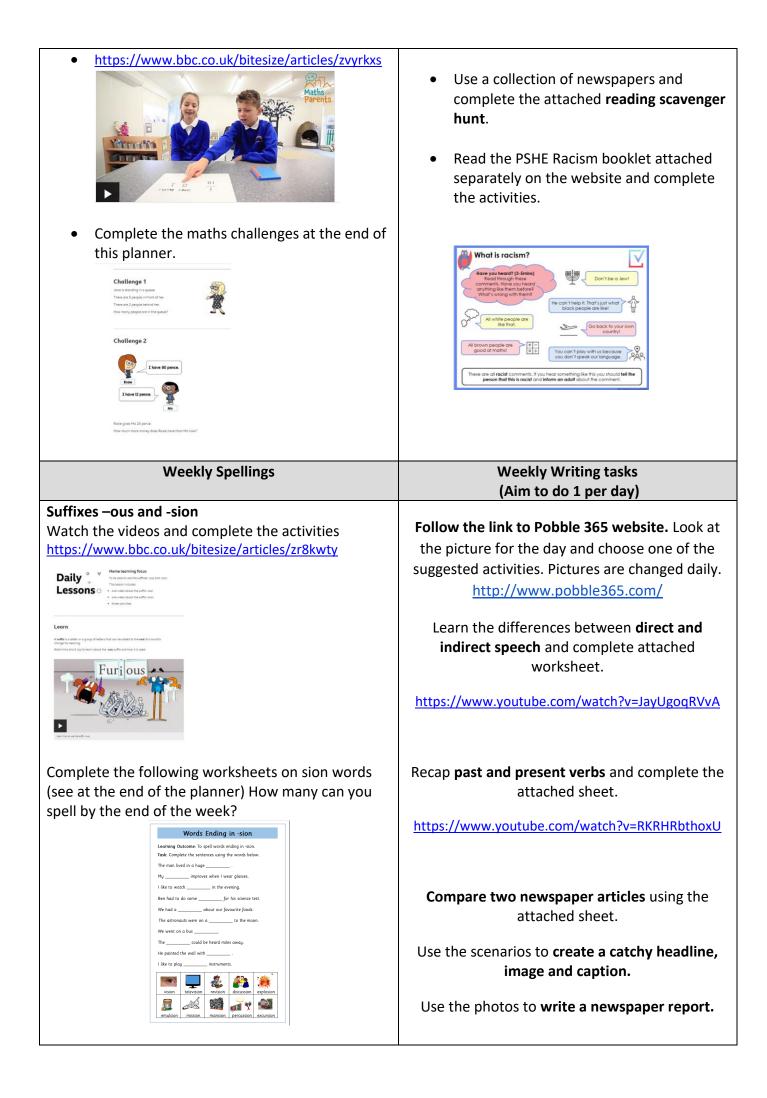


# St John's Catholic Primary School- Learning at home planning

Year 4			
Home Pla	nner 4		
Weekly Maths Tasks Suggestions	Weekly Reading Tasks Suggestions		
<ul> <li>Practise your timestables on Timetable Rockstars. Q. Can you beat your best speed? <u>https://play.ttrockstars.com/auth/school/studen</u> <u>t</u></li> <li>White Rose Hub Lesson on multiplying and dividing by watching a short 5 minute video and answering a few questions in the video <u>https://whiterosemaths.com/homelearning/ year-4/</u> Start on Week 4 day 1 and complete a different activity each day.</li> <li>Complete daily calculations (Questions at the end of the planner) Challenge – can you check your calculations by using the inverse? Don't worry if you can't you can check using a calculator, an adult or even ask Siri, google or Alexa.</li> <li><u>Week 1</u> Monday</li> </ul>	<ul> <li>Complete a story and answer the mixed questions on reading plus: <u>https://student.readingplus.com/seereader/api/sec/login</u></li> <li>Bitesize Daily Book Club: You're a Bad Man, Mr Gum by Andy Stanton <u>https://www.bbc.co.uk/bitesize/articles/zknnf4j</u> Watch the two videos of actor Joanna Lumley reading extracts from the book '<i>You're A Bad Man, Mr Gum'</i> you will learn how to explain what words mean, identify how an author creates humour and write dialogue in the style of the author and then complete the three activities.</li> <li>Choose a book and pick a descriptive word from the text, write it down and use a thesaurus to write down five synonyms and antonyms for that word.</li> </ul>		
Image: constraint of the state of the s	<ul> <li>Choose an online story. Think of 5         questions you would like to ask one of the characters. Then write their answers as if you were that character. https://www.storylineonline.net/     <li>Design a cover for a book you have read.</li> <li>Make a list of as many adverbs as you can from a chapter of a book.</li> <li>Read a newspaper article (non fiction text) with an adult. Can you find the 5         W's?         <ul> <li>Who</li> <li>What</li> <li>Where</li> <li>When</li> <li>Why</li> </ul> </li> </li></ul>		
<ul> <li>Watch the two videos on tenths and complete the two activities</li> </ul>			



#### Handwriting- practice your handwriting as often as you can

Your child would be expected to use continuous cursive letters: <u>https://www.teachhandwriting.co.uk/continuous-cursive-beginners-choice-2.html</u>

Science

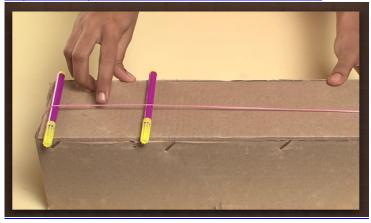
<u>Sound – Pitch</u> What is pitch? Watch the video and complete the activities <u>https://www.bbc.co.uk/bitesize/topics/zgffr82/articles/z3j3jty</u> Listening to different pitches <u>https://www.bbc.co.uk/bitesize/clips/ztptsbk</u>

#### Activities suggestions

Exploring pitch at home. You will need a few glasses (each one having different amounts of water in) and a metal spoon. Tap the glasses to hear the different pitches. Which glass had a high pitch and which had a low pitch? Can you explain why? <a href="https://www.youtube.com/watch?v=wAxxoE81rmc">https://www.youtube.com/watch?v=wAxxoE81rmc</a>



Exploring pitch at home. You will need a cardboard box, an elastic band and two pens. Use the video below to explore pitch by moving the position of the two pens. <u>https://www.youtube.com/watch?v=AQJw95-H9mM</u>



- Explain to an adult why we get low and high pitches (Use this video to help <u>https://www.youtube.com/watch?v=yMLTF\_0PAQw</u>)
- Complete a pitch investigation using straws. (Create a straw pan pipes using the twinkl see at the end of the planner).



#### Foundation subjects and learning projects- to be done throughout the week

#### **Geography: North America**

Recap the states of U.S.A. <u>https://www.youtube.com/watch?v=Gt2mYPwXyAc</u>

How many can you name in a minute?

Listen to Route 66 song: <u>https://www.youtube.com/watch?v=-KAL5rwxVeg</u>

Watch video clip of Route 66: <u>https://www.youtube.com/watch?v=ufx-\_98fmCU</u>

https://www.youtube.com/watch?v=X9ZcHhhbDnY

Route 66 crosses through many different states and timezones.



#### Activities suggestions

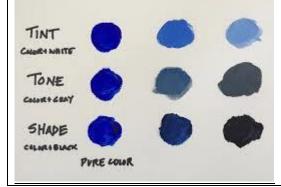
- Label the map with the states of U.S.A.
- Research Route 66 and choose one or more of the states it crosses through to research and create a fact file.
- Imagine you have travelled Route 66, write a postcard to a friend describing where you have been, where you are currently and where you are going next. Research these places to include lots of detail in your postcard. E.g. weather, famous landmarks, food eaten there.
- Colour in the map to show the different timezones.
- Create your own map through a medium of your choice to show the different timezones in U.S.A. with different colours.
- Try the timezone challenge activity (You may need adult support with this)

#### Art – learning about tones, tints and shades

A shade is created when you add black to a colour and darken it.

A tone is created when you add grey to a colour.

A tint is created when you add white to a colour and lighten it.



- Use the video which demonstrates how to create different shades when you add black to the colour blue. Create your own shade strip. <u>https://www.youtube.com/watch?v=-G3xkJH4KwI</u>
- Research Aztec art <u>https://www.ancient.eu/Aztec\_Art/</u> <u>https://www.dkfindout.com/uk/history/aztecs/aztec-art-and-craft/</u> Create your own Aztec inspired art using the same techniques and including geometric patterns.



#### <u> History – Mayans</u>

#### Ancient Mayan Numbers

The Maya had a good understanding of numbers and they developed a complex number and counting system which was advanced for their time. They used symbols to write the numbers.



They were one of only two cultures in the world to develop the concept of zero and this allowed them to develop a place value system where a zero could act as a place holder in large numbers. This enabled the Maya people to distinguish between numbers like 23 and 203, where the placement of the zero determines the value of the digit 2 as 200. This is a very important concept which many civilisations did not understand until much later than the Maya.

Use the following video to help you learn how to write the numbers 1- 20 like the Maya Ancient civilisation did <u>https://www.youtube.com/watch?v=Ybvb7oy\_WV0</u>

#### Activities suggestions

- Can you write the Maya numbers to twenty or forty? Which symbol did they use to represent zero (0)? Answers are at the end of the planner.
- Which number system is easier to use? Why?
- Create simple calculations for a member of your family to solve. E.g.

•

Play the Mayan Maths game <u>https://maya.nmai.si.edu/maya-sun/maya-math-game</u> this website will help you learn the Mayan number system and you get to play a game too.

•

+

= 7

#### DT suggestion

- Design and create your own Mayan mask. Masks played a central role in Maya culture. They were made for a variety of occasions and purposes. In fact, they were even used to decorate temples. Use the template at the end of the planner and create your own Mayan mask. The Mayas believed that animals represented the spirits. For example, many Maya often associated strong kings with jaguars.
- ◆ You can use a variety of materials to help make your mask or simply paint or colour them.



#### R.E.- Come and See

#### **Reveal: Building bridges**

Read the attached bible extract and choose one of the activities.

#### Additional learning resources children and parents may wish to engage with

http://www.sciencekids.co.nz/gamesactivities.html

https://www.booktrust.org.uk/books-and-reading/have-some fun/?q&sortOption=AtoZ&pageNo=1#!?q=&sortOption=AtoZ&pageNo=1

https://www.literacyshedplus.com/browse/free-resources

https://nrich.maths.org/

https://www.bbc.co.uk/bitesize/tags/z63tt39/year-4-lessons/1

https://sciencebob.com/category/experiments/

https://wowscience.co.uk/

https://www.coolkidfacts.com/famous-scientists/

https://www.historyforkids.net/

**Teacher tips** 

Let the children lead their learning, if they are interested in a particular thing let them explore it and where possible make links with other things as children learn more if they enjoy it. Breaks are important- Children cannot concentrate for long periods of time and need to have time built in for them to switch off. Try PE with Joe wicks or Cosmic Yoga on YouTube to get the children moving and enable them to burn off some energy.

# **Daily Calculations**

### <u>Week A</u>

# <u>Monday</u>

9 8 7 6 <u>+ 1 0 7 6</u> 	7 5 0 9 <u>- 1 2 4 7</u>
(Remember to add your carry digit)	(Remember to exchange if the number at the top is smaller)
765 <u>x 3</u>	4 758

### <u>Tuesday</u>

8 6 9 3 <u>+ 4 7 9 8</u> 	7 4 3 9 <u>- 3 6 5 1</u>
(Remember to add your carry digid)	(Remember to exchange if the number at the top is smaller)
749 <u>x 5</u>	6 952

# <u>Wednesday</u>

8 4 0 9 <u>+ 4 7 2 8</u>	6800 <u>- 3768</u>
(Remember to add your carry digit)	(Remember to exchange if the number at the top is smaller)
839 <u>x 6</u>	3 765

### <u>Thursday</u>

8 5 4 7 <u>+ 4 9 9 9</u>	7 0 9 5 <u>- 1 2 3 8</u>
(Remember to add your carry digit)	(Remember to exchange if the number at the top is smaller)
864 <u>x 3</u>	7 875

<u>Friday</u>

9675	9654
<u>+ 3567</u>	<u>- 3609</u>
(Remember to add your carry digit)	(Remember to exchange if the number at the top is smaller)
473 <u>x 8</u>	9 819

#### <u>Week B</u>

### <u>Monday</u>

9 8 7 5 <u>+ 5 4 5 7</u>	1002 <u>- 345</u>
(Remember to add your carry digit)	(Remember to exchange if the number at the top is smaller)
758 <u>x7</u>	8 568

# <u>Tuesday</u>

6543 + 843	£8 7.00 <u>- £1 5.99</u>
<u>2 4</u>  (Remember to add your carry digit)	(Remember to exchange if the number at the top is smaller)
876 <u>x 4</u>	9 736

# <u>Wednesday</u>

£67.98 <u>+£4.57</u>	£40.98 <u>-£7.99</u>
(Remember to add your carry digit)	(Remember to exchange if the number at the top is smaller)
765 <u>x9</u>	6 876

### <u>Thursday</u>

8 6 5 4 3 6 8 2 <u>+ 1 3 2</u>	9765 <u>- 4573</u>
(Remember to add your carry digit)	(Remember to exchange if the number at the top is smaller)
806 <u>x 6</u>	7 435

<u>Friday</u>

5564 2096 <u>+ 132</u>	8000 <u>- 2356</u>
(Remember to add your carry digit)	(Remember to exchange if the number at the top is smaller)
754 <u>x 3</u>	8 978

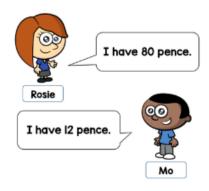
### **Maths Challenges**

#### **Challenge 1**

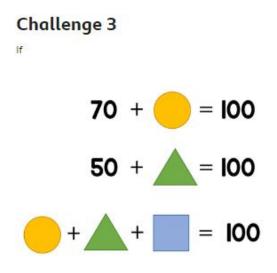
Jane is standing in a queue. There are 5 people in front of her. There are 2 people behind her. How many people are in the queue?



#### Challenge 2



Rosie gives Mo 25 pence. How much more money does Rosie have than Mo now?



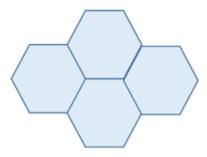
What is the value of the blue square?

#### Challenge 4

The perimeter of this regular hexagon is 42 cm.



Four of these hexagons are put together to make this shape.



What is the perimeter of the shape?

# Challenge 5

Charlie has a tin of paint.

The tin is half full and weighs 5.8 kg. Charlie paints a wall in his house.

The tin is now a quarter full and weighs 3.1 kg.

How much does the empty tin weigh?



#### **Maths Challenge Answers**

- Challenge 1 8 people
- Challenge 2 18 pence
- Challenge 3 The blue square is equal to 20
- Challenge 4 98 cm
- Challenge 5 0.4 kg

Words	Ending	in -sion

Learning Outcome: To spell words ending in -sion.

Task: Complete the sentences using the words below.

The man lived in a huge \_\_\_\_\_\_ .

My \_\_\_\_\_\_ improves when I wear glasses.

I like to watch \_\_\_\_\_ in the evening.

Ben had to do some \_\_\_\_\_\_ for his science test.

We had a \_\_\_\_\_\_ about our favourite foods.

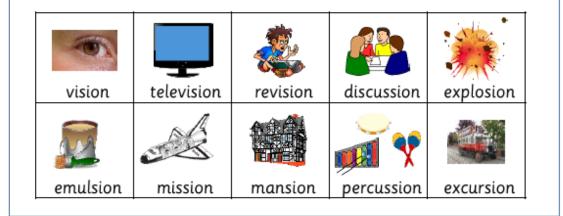
The astronauts were on a \_\_\_\_\_ to the moon.

We went on a bus \_\_\_\_\_.

The \_\_\_\_\_\_ could be heard miles away.

He painted the wall with \_\_\_\_\_\_ .

I like to play \_\_\_\_\_\_ instruments.



# Words Ending in -sion

Learning Outcome: To spell words ending in -sion.

**Task**: Unscramble the letters to find the word. They all end in -sion.

saipsno					
esnponi					
amsnnoi					
useicn	sopr				
siudsc	osni				
estnni	D				
ofcson	nui				
ersnio	vi				
ceisnd	οi				
diasnm	osi				
xunsoierc					
evesntoiil					
oiinvs					
tsxoniene					
empsroiins					
ssobneio					
iesodinmn					
arsnsotuinf					
occuonnils					
virndoes					
admission	tension	percussi	on	confusion	passion
mansion	pension	revisio	n	television	transfusion
excursion	decision	discussi	on	vision	dimension
extension	permission	conclusi	on	diversion	obsession

# Words Ending in -sion Answers

Learning Outcome: To spell words ending in -sion. Task: Complete the sentences using the words below.

The man lived in a huge mansion .

My vision improves when I wear glasses.

I like to watch television in the evening.

Ben had to do some revision for his science test.

We had a discussion about our favourite foods.

The astronauts were on a mission to the moon.

We went on a bus excursion.

The explosion could be heard miles away.

He painted the wall with emulsion .

I like to play percussion instruments.

-	Ŧ			
vision	television	revision	discussion	explosion
	-		<u> </u>	
emulsion	mission	mansion	percussion	excursion

# Words Ending in -sion Answers

Learning Outcome: To spell words ending in -sion.

Task: Unscramble the letters to find the word. They all end in -sion.

saipsno			passion		
esnponi			pension		
amsnnoi			mansion		
			percussion		
siudsco	osni	dis	discussion		
estnnio	D	ter	tension		
ofcson	nui	со	confusion		
ersniov	/ i	rev	revision		
ceisnd	οi	de	decision		
			admission		
xunsoierc			excursion		
evesntoiil			television		
oiinvs			vision		
tsxoniene			extension		
empsroiins			impression		
ssobneio			obsession		
iesodinmn			dimension		
arsnsotuinf			transfusion		
occuonnils			conclusion		
virndoes		div	diversion		
admission	tension	percussion	confusion	passion	
mansion	pension	revision	television	transfusion	
excursion	decision	discussion	vision	dimension	

conclusion

diversion

obsession

extension

permission

# Science – Straw pan pipes

Use several straws to make a set of pan pipes! Each straw should play a different pitch when you blow into it. Flatten the end 2cm of each straw, and cut a triangle in the end.

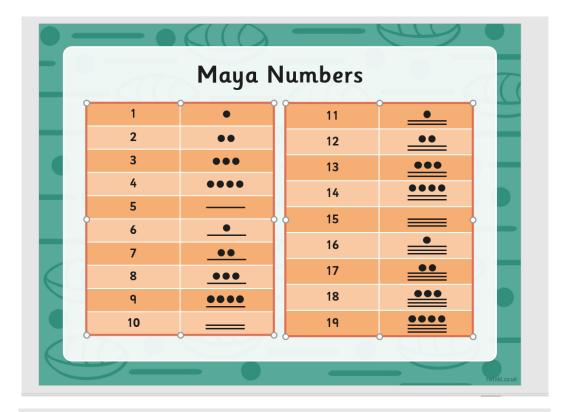
Prepare several straws like this, then think about how to change the pitch of the sound each straw makes.

Stick or tie the straws together to make your set of pan pipes. Blow hard through the triangle end of the straw to make a sound.

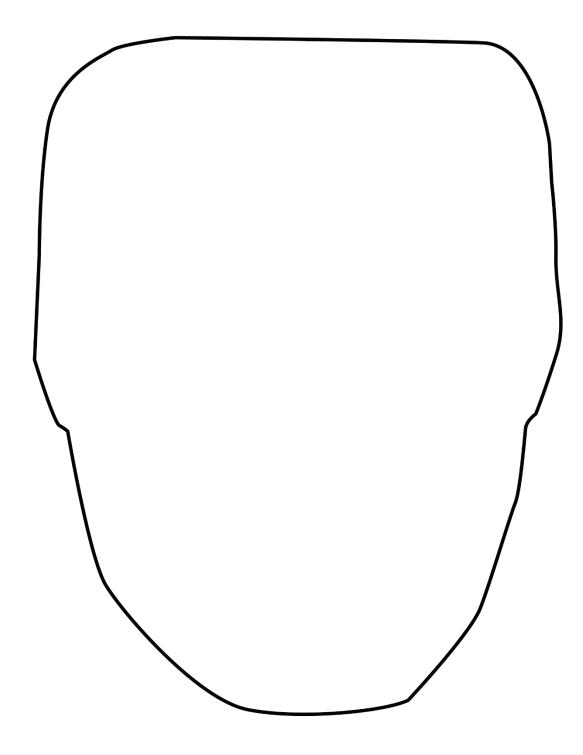
You may have to try few times to make the sound! Draw a picture or stick a photo of your finished pan pipes in the box below.

Use these words to help you write your explanation: sound vibration pitch high low short long air different length

Explain how you created your pan pipes so that they can play sounds of different pitches.



• -	_	- • (			
		N	1aya	ı Numb	ers
	20	•	30	•	
	21	•	31	•	
	22	•	32	• •••	The Maya people used a
	23	•	33	• •••	base 20 number system, so after number 19 multiples of 20 were written above the bottom
	24	•	34	•	multiples of 20 were
	25	•	35	•	number. This is called a vigesimal positional
	26	<u>.</u>	36	<u>.</u>	number system.
6	27	•	37	•••	
	28	•	38		
	29	•	39	•	
C	9				WIRKLOOL





Mayan Mask Colouring Template





# <u>Newspaper scavenger hunt</u>

Using newspapers, find examples of the following:

(The group with the quickest time win dojo points)





- Some good news
- $_{\circ}$  Some bad news
- Reference to a politician
- News about a celebrity
- News about a sport
- Name of a country
- An exciting sentence opener
- An exciting headline
- A job advert
- An offer/guarantee
- Something which particularly interested you

Choose from the following scenarios to create a headline, image and caption.



- Liverpool have won the league. Winning goal scored by Mo Salah during penalty shootout.
- 2. A man earns world record for eating 200 jelly babies in a minute.
- Monkeys escape from Knowsley Safari park and vandalise local resident's homes.
- 4. Scientists create a tablet which helps people with Cancer get better.
- 5. The Cathedral in Liverpool City Centre unexpectedly catches fire.
- Three popular shops within Liverpool 1 are broken into with a value of £325,000 of good taken. Thieves still on the loose and police are following up some leads.

# Choose one of the following images to write a newspaper report.

(Include as many of the features you can from your reading task)







# **Compare two newspaper reports**

Headline	
Written by	
5 W's	 
Further facts	
Picture and caption	
Direct speech	
Reported speech	
Past tense verbs	 
Most powerful words/phrases	 

Which was your favourite? Why?

# The Differences between Direct and Indirect Speech

Decide whether the following are examples of direct or indirect speech.

Speech	Direct or Indirect Speech?
William asked if he could have a turn on the slide.	
"It's my turn next," Shiya shouted.	
Dad said that the children should stop arguing.	
Kylie mentioned that the swings were free.	
"I love the park," squealed Emir.	
Mum told the children that it was time to go home.	

Add any missing punctuation to the sentences containing direct speech.

- 1. I want sweets! shouted the little girl.
- 2. As I was walking away, my friend called Don't forget your bag!
- 3. Please can you help me with my maths work? asked Reuben quietly.

Change the direct speech in the sentences to indirect speech.

- 1. "We must work together!" declared Alexander.
- 2. "If we are late, we might miss the show," stated my sister anxiously.
- 3. "My mum said, "Don't worry, there is plenty of time to get there."



Write a sentence that uses direct speech for the following picture.

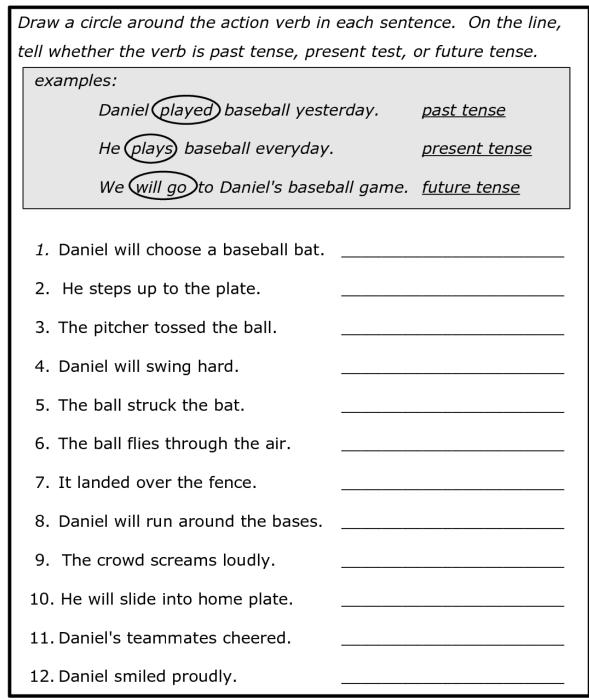


Write a sentence that uses indirect speech for the following picture.

\_\_\_\_\_

Name: \_\_\_\_

# Past, Present, and Future Tense Verbs



Super Teacher Worksheets - <u>http://www.superteacherworksheets.com</u>

Now write some of your own sentences using past and present verbs.

# **Religious Education**

#### REVEAL: The importance of admitting wrong, and being reconciled with God and one another

People get lost when they deliberately do something wrong, hurting others, themselves or the world they live in. That is what is called 'sin'. It is anything deliberately chosen – to think, say or do. It is also anything you choose to do or not to do that spoils or breaks the friendship with God and with other people. Sin is anything which breaks bridges of love.

#### Share this bible reading:

When Jesus was teaching, someone came up to him and asked him what he thought was the greatest commandment of all.

This is what Jesus replied:

"You must love the Lord your God with all your heart, with all your soul, and with all your mind, and with all your strength."

The second most important commandment is this:



"Love your neighbour as yourself. There is no other Christians try to build bridges towards one another every day. They 'examine their consciences' to see how they have kept these two commandments. Our conscience is like a voice or feeling inside us. This is the Holy Spirit helping us to respond to God. If we pay attention to the Holy Spirit, it will help us to know if something is good or bad.

It is good to think every evening, before you go to bed, about how you have built

bridges of love and friendship or, perhaps, broken them through sin. We remember if we have done something that hurt someone else or if someone else has hurt us. We can thank God for all the good and say sorry for the bad and know that God, like the good shepherd, cares about us and loves us. We also must try to forgive those who have hurt us.



#### Choose an activity:

- God's law of love can be broken by thinking, saying, or doing anything that spoils or breaks friendship with God or with other
  people. It is also choosing not to do something which again results in breaking friendship with God and other people. Make a
  friendship or sorry bracelet and build a bridge of love and wear it to remind yourself to say sorry and keep a friendship or to
  show that you love and forgive them.
- Write a short story/account to illustrate one of these occasions and how a bridge might be rebuilt.

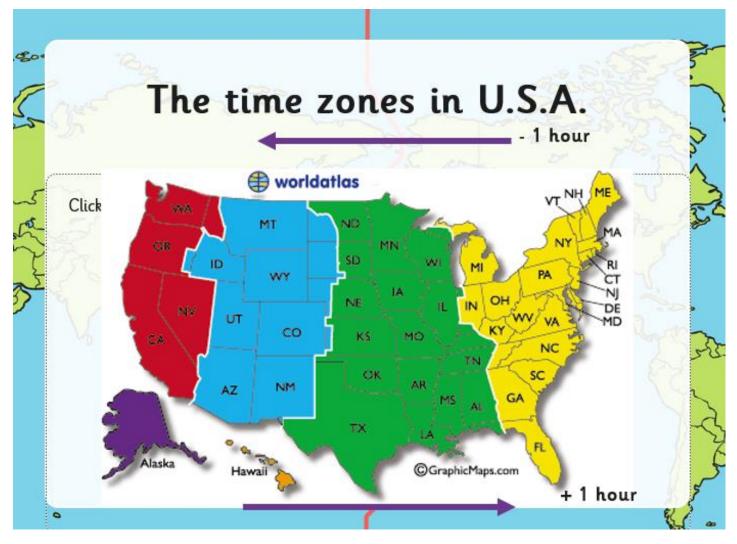
# **Geography**



Using an Atlas, the internet or an adult, complete the following sheet listing the names of the states in U.S.A.

Abbreviated Name Full Name Abbreviated Name Full Name AL MT AK NE ΑZ NV AR NH CA NJ CO NM CT NY DE NC FL ND GA OH ΗI OK ID OR IL PA IN RI IA SC KS SD ΤN KΥ LA ТΧ ME UT MD VT VA MA ΜI WA wv MN MS WI MO WY

Fill in the table with the names of the American states.



**Colour in the different timezones** 



## Challenge: What's the time....?



If it is 10 o'clock in Illinois.....what is the time in Texas?

If it is 3 o'clock in California.....what is the time in Arizona?

If it is 9 o'clock in Texas.....what is the time in New Mexico?

If it is 4 o'clock in Illinois.....what is the time in California?

If it is 2 o'clock in Missouri.....what is the time in New Mexico?

If it is 5 o'clock in Arizona.....what is the time in Kansas?

If it is 11 o'clock in Missouri.....what is the time in California?

Now create your own questions for an adult or friend.