

- https://www.bbc.co.uk/bitesize/articles/zvyrkxs

- Complete the maths challenges at the end of this planner.


Complete the following worksheets on sion words (see at the end of the planner) How many can you spell by the end of the week?


- Use a collection of newspapers and complete the attached reading scavenger hunt.
- Read the PSHE Racism booklet attached separately on the website and complete the activities.



## Weekly Writing tasks

(Aim to do 1 per day)
Follow the link to Pobble $\mathbf{3 6 5}$ website. Look at the picture for the day and choose one of the suggested activities. Pictures are changed daily.
http://www.pobble365.com/
Learn the differences between direct and indirect speech and complete attached worksheet.
https://www.youtube.com/watch?v=JayUgoqRVvA

Recap past and present verbs and complete the attached sheet.
https://www.youtube.com/watch?v=RKRHRbthoxU

Compare two newspaper articles using the attached sheet.

Use the scenarios to create a catchy headline, image and caption.

Use the photos to write a newspaper report.

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

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

## Science

## Sound - Pitch

What is pitch? Watch the video and complete the activities https://www.bbc.co.uk/bitesize/topics/zgffr82/articles/z3i3ity Listening to different pitches https://www.bbc.co.uk/bitesize/clips/ztptsbk

## 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?
https://www.youtube.com/watch?v=wAxxoE81rmc

* 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.
https://www.youtube.com/watch?v=AQJw95-H9mM

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



## Geography: North America

Recap the states of U.S.A. https://www.youtube.com/watch?v=Gt2mYPwXyAc
How many can you name in a minute?
Listen to Route 66 song: https://www.youtube.com/watch?v=-KAL5rwxVeg
Watch video clip of Route 66: https://www.youtube.com/watch?v=ufx- 98 fmCU
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. https://www.youtube.com/watch?v=-G3xkJH4Kwl
* Research Aztec art https://www.ancient.eu/Aztec Art/ https://www.dkfindout.com/uk/history/aztecs/aztec-art-and-craft/
Create your own Aztec inspired art using the same techniques and including geometric patterns.



## History - Mayans

## 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 https://www.youtube.com/watch?v=Ybvb7oy WVO

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


## 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.

## Week A

## Monday

| $\begin{array}{r} 9876 \\ +1076 \\ \hline \end{array}$ <br> (Remember to add your carry digit) | $\begin{array}{r} 7509 \\ -1247 \\ \hline \end{array}$ <br> (Remember to exchange if the number at the top is smaller) |
| :---: | :---: |
| $\begin{array}{r} 765 \\ \times \quad 3 \\ \hline \end{array}$ | $4 \longdiv { 5 8 }$ |

## Tuesday

| $\begin{array}{r} 8693 \\ +4798 \\ \hline \end{array}$ <br> (Remember to add your carry digid) | $\begin{array}{r} 7439 \\ -3651 \\ \hline \end{array}$ <br> (Remember to exchange if the number at the top is smaller) |
| :---: | :---: |
| $\begin{array}{r} 749 \\ \times \quad 5 \\ \hline \end{array}$ | 6952 |

## Wednesday

| $\begin{array}{r} 8409 \\ +4728 \\ \hline \end{array}$ <br> (Remember to add your carry digit) | $\begin{array}{r} 6800 \\ -3768 \\ \hline \end{array}$ <br> (Remember to exchange if the number at the top is smaller) |
| :---: | :---: |
| $\begin{array}{r} 839 \\ \times \quad 6 \\ \hline \end{array}$ | $3 \longdiv { 7 6 5 }$ |

Thursday

Friday

| $\begin{array}{r} 8547 \\ +4999 \\ \hline \end{array}$ <br> (Remember to add your carry digit) | $\begin{array}{r} 7095 \\ -1238 \\ \hline \end{array}$ <br> (Remember to exchange if the number at the top is smaller) |
| :---: | :---: |
| $\begin{array}{r} 864 \\ \times \quad 3 \\ \hline \end{array}$ | $7 \mid 875$ |


| $\begin{array}{r} 9675 \\ +3567 \\ \hline \end{array}$ <br> (Remember to add your carry digit) | $\begin{array}{r} 9654 \\ -3609 \\ \hline \end{array}$ <br> (Remember to exchange if the number at the top is smaller) |
| :---: | :---: |
| $\begin{array}{r} 473 \\ \times \quad 8 \\ \hline \end{array}$ | $9 \longdiv { 8 1 9 }$ |

## Week B

## Monday

| 9875 <br> +5457 <br> - | 1002 <br> $-\quad 345$ |
| :---: | :---: |
| (Remember to add your carry digit) | (Remember to exchange if the number at <br> the top is smaller) |
| 758 <br> $\underline{x} 7$ | $8 \boxed{568}$ |

## Tuesday

| $\begin{array}{r} 6543 \\ +\quad 843 \\ \hline \quad 24 \\ \hline \end{array}$ <br> (Remember to add your carry digit) | $\begin{array}{r} £ 87.00 \\ -\quad £ 15.99 \\ \hline \end{array}$ <br> (Remember to exchange if the number at the top is smaller) |
| :---: | :---: |
| $\begin{array}{r} 876 \\ \times \quad 4 \\ \hline \end{array}$ | 9736 |

## Wednesday

| $\begin{array}{r} £ 67.98 \\ +£ \quad 4.57 \\ \hline \end{array}$ <br> (Remember to add your carry digit) | $\begin{array}{r} £ 40.98 \\ -£ \quad 7.99 \\ \hline \end{array}$ <br> (Remember to exchange if the number at the top is smaller) |
| :---: | :---: |
| $\begin{array}{r} 765 \\ \times \quad 9 \\ \hline \end{array}$ | $6 \longdiv { 8 7 6 }$ |

Thursday

| $\begin{array}{r} 8654 \\ 3682 \\ +\quad 132 \\ \hline \end{array}$ <br> (Remember to add your carry digit) | $\begin{array}{r} 9765 \\ -\quad 4573 \\ \hline \end{array}$ <br> (Remember to exchange if the number at the top is smaller) |
| :---: | :---: |
| $\begin{array}{r} 806 \\ \times \quad 6 \\ \hline \end{array}$ | $7 \mid 435$ |

Friday

| $\begin{array}{r} 5564 \\ 2096 \\ +\quad 132 \\ \hline \end{array}$ <br> (Remember to add your carry digit) | $\begin{array}{r} 8000 \\ -2356 \\ \hline \end{array}$ <br> (Remember to exchange if the number at the top is smaller) |
| :---: | :---: |
| $\begin{array}{r} 754 \\ \times \quad 3 \\ \hline \end{array}$ | $8 \longdiv { 9 8 }$ |

## 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?

## Challenge 3

If


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 $5-0.4 \mathrm{~kg}$

## 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 $\qquad$ .

My $\qquad$ improves when I wear glasses.

I like to watch $\qquad$ in the evening.

Ben had to do some $\qquad$ for his science test.

We had a $\qquad$ about our favourite foods.

The astronauts were on a $\qquad$ to the moon.

We went on a bus $\qquad$ .

The $\qquad$ could be heard miles away.

He painted the wall with $\qquad$ -

I like to play $\qquad$ instruments.

| vision | television | revision | discussion | explosion |
| :---: | :---: | :---: | :---: | :---: |
| emulsion |  | mansion | percussion | excursion |

## 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 |  |
| useicnsopr |  |
| siudscosni |  |
| estnnio |  |
| ofcsonnui |  |
| ersniovi |  |
| ceisndoi |  |
| diasnmosi |  |
| xunsoierc |  |
| evesntoiil |  |
| oiinvs |  |
| tsxoniene |  |
| empsroiins |  |
| ssobneio |  |
| iesodinmn |  |
| arsnsotuinf |  |
| occuonnils |  |
| virndoes |  |


| admission | tension | percussion | confusion | passion |
| :---: | :---: | :---: | :---: | :---: |
| mansion | pension | revision | television | transfusion |
| excursion | decision | discussion | vision | dimension |
| extension | permission | conclusion | 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.

| vision |  | revision | discussion | explosion |
| :---: | :---: | :---: | :---: | :---: |
| emulsion | mission | mansion |  | 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 |
| useicnsopr | discussion |
| siudscosni | tension |
| estnnio | confusion |
| ofcsonnui | revision |
| ersniovi | decision |
| ceisndoi | admission |
| diasnmosi | television |
| xunsoierc | vision |
| evesntoiil | extension |
| oiinvs | impression |
| tsxoniene | obsession |
| empsroiins | dimension |
| ssobneio | conclusion |
| iesodinmn | diversion |
| arsnsotuinf | occuonnils |
| virndoes |  |


| admission | tension | percussion | confusion | passion |
| :---: | :---: | :---: | :---: | :---: |
| mansion | pension | revision | television | transfusion |
| excursion | decision | discussion | vision | dimension |
| extension | permission | conclusion | diversion | obsession |

## 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 2 cm 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.


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

## Maya Numbers



## Maya Numbers

| 20 | - | 30 |  |
| :---: | :---: | :---: | :---: |
| 21 | - | 31 | : |
| 22 | - | 32 | $\therefore$ |
| 23 | $\bullet$ | 33 | $\cdots$ |
| 24 | $\because$ | 34 | - |
| 25 |  | 35 | - |
|  | $\bullet$ |  |  |
| 26 | $!$ | 36 | ! |
| 27 | $\because$ | 37 | $\bigcirc$ |
| 28 | $\because$ | 38 | $\stackrel{\circ}{\underline{\circ}}$ |
| 29 |  | 39 | $\underline{\underline{\underline{\circ 0.0}}}$ |

The Maya people used a base 20 number system, so after number 19 multiples of 20 were written above the bottom number. This is called a vigesimal positional number system.

Mayan Mask Template


Mayan Mask Colouring Template


paint the world 5015
$60 \operatorname{Hin}$

## Newspaper scavenger hunt

Using newspapers, find examples of the following:
(The group with the quickest time win dojo points)


- Some good news
- 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.



1. 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.
3. 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.
6. 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: $\qquad$

## Past, Present, and Future Tense Verbs

Draw a circle around the action verb in each sentence. On the line, tell whether the verb is past tense, present test, or future tense.
examples:
Daniel played baseball yesterday. past tense
He plays baseball everyday. present tense
We will go to Daniel's baseball game. future tense

1. Daniel will choose a baseball bat. $\qquad$
2. He steps up to the plate. $\qquad$
3. The pitcher tossed the ball. $\qquad$
4. Daniel will swing hard. $\qquad$
5. The ball struck the bat. $\qquad$
6. The ball flies through the air. $\qquad$
7. It landed over the fence. $\qquad$
8. Daniel will run around the bases. $\qquad$
9. The crowd screams loudly. $\qquad$
10. He will slide into home plate. $\qquad$
11. Daniel's teammates cheered. $\qquad$
12. Daniel smiled proudly.

Super Teacher Worksheets - http://www.superteacherworksheets.com

## 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:


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.

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

| Abbreviated Name | Full Name | Abbreviated Name | Full Name |
| :---: | :---: | :---: | :---: |
| AL |  | MT |  |
| AK |  | NE |  |
| AZ |  | NV |  |
| AR |  | NH |  |
| CA |  | NJ |  |
| CO |  | NM |  |
| CT |  | NY |  |
| DE |  | NC |  |
| FL |  | ND |  |
| GA |  | OH |  |
| HI |  | OK |  |
| ID |  | OR |  |
| IL. |  | PA |  |
| IN |  | RI |  |
| IA |  | SC |  |
| KS |  | SD |  |
| KY |  | TN |  |
| LA |  | TX |  |
| ME |  | UT |  |
| MD |  | VT |  |
| MA |  | VA |  |
| MI |  | WA |  |
| MN |  | WV |  |
| MS |  | WI |  |
| MO |  | WY |  |



Colour in the different timezones


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



If it is $\mathbf{1 0}$ o'clock in Illinois.....what is the time in Texas?

If it is $\mathbf{3}$ o'clock in California $\qquad$ what is the time in Arizona?

If it is 9 o'clock in Texas $\qquad$ what is the time in New Mexico?

If it is $4 o^{\prime}$ clock in Illinois.....what is the time in California?

If it is $\mathbf{2}$ o'clock in Missouri.....what is the time in New Mexico?

If it is $\mathbf{5}$ o'clock in Arizona.....what is the time in Kansas?

If it is $\mathbf{1 1}$ o'clock in Missouri.....what is the time in California?

Now create your own questions for an adult or friend.

