

Week 5 Home school work

<https://stories.audible.com/discovery>



Listen to the second chapter of The Mystwick School of Musicraft

The Itsy Bitsy Fire

There are questions and tasks to challenge you based on this chapter. These should take you a few English lessons to complete (in other words, don't tackle them all at once!).

Puzzle Pyramids

To solve the puzzle pyramid, you will have to add and subtract. For example, you might have to subtract a number from a number above it to find the missing number.

Spellings

Read through the spelling rule and complete the practise exercise.

Then, practise the ten spellings using the read, cover, write and then check method.

Maths

Time for more practise on the formal written method of column subtraction.

REMEMBER it is very important to line up your number under the correct column headings of units, tens, hundreds and thousands. Put **U T H Th** at the top of each column if this will help you.

Look at the power point first as a reminder if you can.

Next, choose the type of question that suits you: yellow, green, lilac or blue. Challenge yourself and if you complete the blue questions, try the questions in the white challenge box.

Some of us will even solve word problems that involve subtracting different numbers that are increasingly large

Some of us will solve subtraction problems up to 5 digits

Most of us will solve subtraction problems up to 4 digits

All of us will subtract numbers using a formal written layout

Solve sum and difference puzzle questions

Think of pairs of numbers whose difference is in the question. Then find the sum of each possible pair. You can also complete this task on the following website.

<https://uk.ixl.com/math/year-4/find-two-numbers-based-on-sum-and-difference>

R.E.

I have set you a research task about the Golden Temple which is a sacred place.



PSHE

Can you match the explanations to the pictures 1 - 15?

You can do this by writing the numbers 1 - 15 on paper and then writing the explanation in your own words next to the number. Be brief and practise summarising.

Then, look at each of the 'Dental Dilemmas' and suggest a solution for each child or situation.

Science

Complete tasks one and two about climate change and its impact on animals using the video clip links and fact sheet to help you.

History

Find modern Greece on a world map. It is in Europe.

Look at the map of Ancient Greece.

Compare modern Greece and Ancient Greece.

Why are they different?

Can you say what the names of the countries labelled on the map of Ancient Greece are now?

Look at the timeline of Ancient Greece in preparation for the topic.

Week 5 English Comprehension

<https://stories.audible.com/discovery>



The Itsy Bitsy Fire

1. 'Itsy bitsy' means small. Can you think of synonyms for 'small'?
~ remember a synonym is a word that has a similar meaning.
2. Can you think of an antonym of 'small'?
~ an antonym is a word that has the opposite meaning.
3. How does the train move?
4. What is another word for train? It begins with an 'l'.
5. What does the author mean when she says the sidewalks are 'flooded with people'?
6. Why did Emilia go to the city the first time?
7. What's a film score?

8. The maestro on the piano played different spells. What effects did they produce?
9. What does 'starry - eyed' mean?
10. According to the author, what does magic smell like, 'like the scent of...'?
11. What's a pianist?
12. Au clair de la lune is a piece of music and is a common practise piece in the novel The Mystwick School of Musicraft and, its magic makes flowers grow, open and bloom.

Listen to it on the Internet. What can you find out about this piece of music?

13. What are the meanings of the following words and phrases?

din

symphony

stave off

novice

proportion

elemental

charlatan

restricted

melody

14. What wonderful and beautiful things can symphonies do when they travel the world.
15. What type of music school do you have to go to become a maestro?
16. Describe the Hotel Rhapsody.
17. How old is Emilia and what is her audition number?

18. How many places are available for flute players in the first year of the Mystwick School of Musicraft?
19. How does Emilia try to solve the problem of her grape juice-soaked dress and sheet music?
20. Why does the spell go horribly wrong?
21. Who helps Emilia and how?
22. They say you can tell a lot about a person from the instrument they play. What instrument do you play, or would you play? What do you think this says about you?
23. Why did Emilia choose to play the flute?
24. What doesn't produce magic?
25. List ten adjectives that you think describe Ji Kapoor (the boy's) family.
26. Where is the Mystwick School of Magicraft?
27. Finish the sentences:

'Mystwick only takes the...'

'Rock magic is...'

'Your magic is only as strong as your...'

28. How old was Emilia when she found her mother's flute?
29. If Emilia holds her flute tight enough what can she remember?
30. What's in Emilia's hair?
31. Why is Emilia so different from the other children auditioning?

Week 5 spelling Rule

The suffix '-ion' becomes '-ssion' when the root word ends in 'ss' or 'mit'

Copy the first method to complete the next three:

omit - t = omi + ssion = omission

remit - t = ? + ? = remission

admit - t = ? + ? = admission

permit - t = ? + ? = permission

	1 st attempt	2 nd attempt	3 rd attempt	4 th attempt
expression				
discussion				
confession				
permission				
impression				
procession				
omission				
obsession				
admission				
completion				

LO: To subtract numbers using a formal written method

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Which style of question suits you?

Make sure you write down the colour of the question that you are working on in your maths book

1. Subtract the following numbers using a formal written method

- a) $14 - 3 =$
- b) $16 - 5 =$
- c) $15 - 4 =$
- d) $24 - 12 =$
- e) $13 - 11 =$
- f) $19 - 10 =$
- g) $11 - 9 =$
- h) $21 - 19 =$

2. Subtract the following numbers using a formal written method

- a) $35 - 25 =$
- b) $31 - 19 =$
- c) $62 - 49 =$
- d) $154 - 149 =$
- e) $431 - 198 =$
- f) $501 - 299 =$

g) Mrs Jones has 25 pupils in her class. Mr Abbot has 17 pupils in his class. How many more pupils did Mrs Jones have?

3. Subtract the following numbers using a formal written method

- a) $1991 - 109 =$
- b) $1982 - 529 =$
- c) $8601 - 459 =$

d) In a library 755 science books out of the original 8771 books have gone missing. How many science books are left?

4. Subtract the following numbers using a formal written method

- a) $4231 - 1222 =$
- b) $6618 - 2145 =$
- c) $6102 - 2901 =$
- d) $8605 - 4150 =$
- e) $5922 - 1123 =$
- f) $4001 - 2348 =$

g) Paul scored 4324 points on a video game and Sally 2346. How many points did Paul get than Sally

h) A Phil's kennel has the capacity to hold 1460 dogs. Phil has 1273 dogs booked in. How many spaces does he have left?

5. Subtract the following numbers using a formal written method

- a) $16408 - 13459 =$
- b) $16000 - 10111 =$
- c) $17778 - 15888 =$
- d) $19335 - 12745 =$
- e) $81311 - 18779 =$
- f) $87777 - 18888 =$

g) There were 16163 walnut trees in a country park before park workers remove 12375 trees. Calculate the total number of walnut trees left after the workers had finished.

6. Subtract the following numbers using a formal written method

- a) $10345 - 2356 - 300 =$
- b) $42367 - 15674 - 3246 =$
- c) $67431 - 23456 - 25678 =$
- d) $80001 - 27266 - 26781 =$

e) Alice 26000 coins in her jar. She gave 11892 to Alyssa and 10345 to Ian. How many coins does she have left?

White Box Challenge:

Emma has £94000 saved up to help fund her five-year training course to be a Doctor. The first year she spends £18800 and then each further year she decreases her spending by £1050. How much money does she have left at the end of her five-year course?



The Golden Temple

The Golden Temple is a sacred place of worship. We will be looking at sacred places of worship in R.E. Find out ten facts about the Golden temple including its location.

What does 'sacred' mean? Use your own words to explain. Can you think of anything that is thought of as 'sacred'?

Useful websites

<http://justfunfacts.com/interesting-facts-about-the-golden-temple/>

The Golden Temple Amritsar - History and Facts for Kids | Educational Videos by Mocomi

<https://www.youtube.com/watch?v=Qiz2TVPN9TU>

https://kids.kiddle.co/Golden_Temple

Climate Change



The results of climate change are:

A rise in temperature of our climate

A rise in the sea's temperature

A rise in the level of the sea

An increase in carbon dioxide

1. Why is our climate changing?

These clips might help you answer this question.

<https://www.youtube.com/watch?v=Sv7OHfpIRfU>

<https://www.youtube.com/watch?v=eHMLszamZ9w>

<https://www.youtube.com/watch?v=QwLyscT3NgI>

2. How can these four things affect animals and their habitats?

Use the information below to help you answer this question but, in your own words. Select any tricky words and find out their meaning. You can also do your own research.

Species and Climate Change Factsheet

Leatherback turtle



The sex of sea turtle hatchlings is determined by the temperature at which the eggs are incubated in the nest. Cooler nests produce more males, and warmer nests produce more females. As climate change leads to increasing temperatures, more of the nests will produce females, causing an imbalance in the number of male and female sea turtles in the population.

Climate change can also lead to rising sea levels and an increase in the number of storms, which can damage sea turtle nesting beaches.

Staghorn corals



Climate change is one of the greatest threats to coral reefs. A rise in sea temperature is causing an increase in coral bleaching. Coral bleaching is a process which results in coral being unable to obtain enough nutrients, so it begins to starve. Climate change is also increasing the acidity of the oceans, which affects the coral's ability to produce its skeleton, leaving the species vulnerable to disease.

Emperor penguin



Parts of the Antarctic Peninsula are warming up faster than anywhere else on the planet, and a temperature increase of just two degrees Celsius would result in some areas of this region becoming ice free. Emperor penguins rely on sea ice as a platform on which to breed, and without it this species would struggle to survive.

The declining sea ice cover is also lowering the availability of certain prey species, such as krill, which feed under the ice.

Koala



Koalas get most of their energy from feeding on eucalyptus leaves. Increasing carbon dioxide levels due to climate change can cause the nutritional value of these leaves to decrease, meaning that the koalas are not taking in the nutrients they require to survive.

With their thick skin and warm fur, koalas do not cope well in extreme heat, and may descend to the ground in search of water. This puts them at risk of being taken by a predator. Koalas are slow-moving tree-dwellers, and so an increase in the number of bushfires leaves them vulnerable.

North Atlantic right whale



Increases in sea temperature and changes in ocean currents due to climate change are likely to cause the planktonic prey of the North Atlantic right whale to move location or reduce in abundance. This could have potentially devastating consequences for this already highly endangered species.

Arctic fox



Climate change is altering the Arctic fox's habitat. Due to changes in the climate, new plants can now grow in the tundra where the Arctic fox lives. These new plants are changing the tundra habitat, making it unsuitable for the Arctic fox. This problem is made worse as the new habitat is allowing the red fox, a species which competes with the Arctic fox, to move northwards into the tundra.



Clownfish are dependent on sea anemones for protection. Sea anemones are mainly found on coral reefs, which are declining due to climate change. A decrease in sea anemones will result in a decrease in the number of clownfish.

Golden toad



The extinction of the golden toad is thought to have been caused mainly by climate change and disease. Amphibians are sensitive to even small changes in temperature and moisture, so changes in climate can alter breeding behaviour and reproductive success.

Quiver tree



Climate change is leading to rising temperatures and a decrease in rainfall, which causes some species such as the quiver tree to suffer from drought stress.

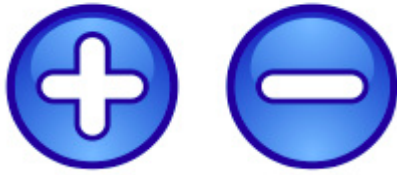
Some species can adapt by shifting their range and moving to more suitable areas, but the speed at which plants like the quiver tree are able to colonise new areas may not be fast enough to

Beluga whale



Climate change is altering patterns of human activity, which may have an indirect effect on the beluga whale. The extensive ice cover in the Arctic meant that many areas were once inaccessible to humans. However, as the ice cover declines, humans are now able to enter areas which were once pristine refuges for belugas.

More vessels are now sailing through the Arctic, which increases the risk of belugas being hit by boats and being injured or killed. Noise pollution in the area may also negatively impact the communication and foraging abilities of this unusual species.



Think of pairs of numbers whose difference is in the question. Then find the sum of each possible pair. You can also complete this task on the following website.

<https://uk.ixl.com/math/year-4/find-two-numbers-based-on-sum-and-difference>

1. The difference of two numbers is 4. The sum of the two numbers is 8. What are the two numbers?
2. The difference of two numbers is 8. Their sum is 10. What are the two numbers?
3. The difference of two numbers is 1, and their sum is 7. What are the two numbers?
4. The difference of two numbers is 2. The sum of the two numbers is 8. What are the two numbers?
5. The sum of two numbers is 13. Their difference is 3. What are the two numbers?
6. The difference of two numbers is 10, and their sum is 12. What are the two numbers?
7. The difference of two numbers is 0. The sum of the two numbers is 22. What are the two numbers?
8. The sum of two numbers is 13, and their difference is 7. What are the two numbers?
9. The sum of two numbers is 15. Their difference is 5. What are the two numbers?
10. The difference of two numbers is 3, and their sum is 17. What are the two numbers?

Greek timeline

