

Class Five: Online Learning Overview

Week Summer 1: 14th April 2020



<p><u>English</u></p> <p>The Titanic Detective Agency Chapter 1</p>	<p><u>Maths</u></p> <p>Column Addition: Practice</p>	<p><u>Topic</u></p> <p>Titanic Source Detectives Booklet</p>	<p><u>Spelling Shed Assignment</u></p> <p>Challenge Words</p> <p>https://play.edshed.com/</p>
<p><u>English</u></p> <p>The Titanic Detective Agency Chapter 2</p>	<p><u>Maths</u></p> <p>Missing Digits & Lottery Winnings</p>	<p><u>Topic</u></p> <p>Morse Code: Reading and Writing in Morse Code</p>	<p><u>Maths Shed Assignment</u></p> <p>Addition and Subtraction within 100 (Mixed +/-)</p> <p>https://play.edshed.com/</p>
<p><u>English</u></p> <p>The Titanic Detective Agency Chapter 3</p>	<p><u>Maths</u></p> <p>Adding Decimals</p>	<p><u>Science</u></p> <p>A Guided Tour of a Human Organ</p>	<p><u>Wellbeing</u></p> <p>Take Ten for Mental Health</p>
<p><u>English</u></p> <p>Through the Keyhole</p>	<p><u>Maths</u></p> <p>Triple Trouble & Quiz Time</p>	<p><u>Art</u></p> <p>Through the Keyhole</p>	<p><u>Reading Challenge</u></p> <p>Reading for Next Week</p>



The Titanic Detective Agency Chapter 1

To begin our work on The Titanic Detective Agency, I would like you to focus on Chapter One of the book. We have already read this in class, but there is a link to a Youtube Video on our [Class Online Learning](#) page, and [here](#) for you to watch Lindsay Littleton – the author of the book – read Chapter One to you.

Once you have listened to the chapter (you may need to listen a couple of times as you aren't reading as well), can you try and develop a character map for Bertha? Draw a body outline, and add around it anything you can find out about her from the opening chapter of the book. Find all clues that you can, from her appearance, her family, the reason she is travelling, and how she behaves, to what she believes in and what sort of a character you think she is. Add all of your ideas to the body map and keep it handy so you can update it as the story goes on.

The Titanic Detective Agency Chapter 2

The next chapter of the story can be found on our [Video Resource Centre playlist](#) (part of our webpage). I've read the chapter to you, and included some old photos of the locations and artefacts discussed in the chapter so you can try and picture the story in your mind.

Once you have listened to the chapter, I would like you to consider the two chapters of the story so far, and think about how the two main characters have been developed. Bertha and Johan are very different, and I would like you to make a 'table' which shows ways that the two characters are similar, or have something in common, and ways that they are different, or that their characters contrast each other. Can you then find the top five similarities and differences between the characters – think about which ideas you have are the most important and why.

The Titanic Detective Agency Chapter 3

The final chapter for the week can be found again on our [Video Resource Centre](#), and shows some more photographs to help your imaginations picture what is going on!

Once you have listened to the chapter (you may want to remind yourself of all three), you have two activities to complete.

First of all, I would like you to find three examples of 'foreshadowing' in the story. Can you find the parts of each chapter where the author has left clues that link to the sinking of the Titanic? Write down the examples you have found, and how they show that the author is linking to the tragedy.

Next, you have a quiz challenge to see how well you can remember what has been happening in the book! This is a Kahoot quiz and you will need the PIN 09369377. You can follow [this link](#) to play the quiz. It will be open to play until Sunday 19th April at 6pm.

Through the Keyhole

This is a writing challenge based on an [art project](#). I want you to watch the [video](#) and then use this to design your own world behind a keyhole. You can be as creative as you want, but you need to be able to draw the keyhole and the world behind the door. The images in the video are from a quick online search – I'm sure you could find many more. I would like you to design your own world through the keyhole, then complete a piece of descriptive writing about the world you have created. This needs to be at least 3 paragraphs, and needs to contain details that will help the reader to 'sense' the world you have created through touch, smell, sight, sounds and taste. Try to use adventurous vocabulary, and get those expanded noun phrases and adverbs / adverbials in as well!



Column Addition Practice

This week we are focusing in on addition. We will begin by practising our use of column addition. [This video on BBC Bitesize](#) revises how we use column addition, and also reminds you of the common tricks and traps not to fall in to!

Once you have watched the video I would like you to try and solve the questions on the [Column Addition Practice Sheet](#). Make sure you lay out your methods clearly, and give yourself enough space to carry digits from one column to another when needed! Some of the questions involve adding more than two numbers, so take care with your layout and keep your numbers in columns!

Once you have finished you can check your answers with a calculator, or you can wait and I will post an answer sheet at the end of the week so you can check your own work and see how well you have done.

Missing Number Challenge, and Lottery Winners!

Following on from your Column Addition practice I want you to use your skills to solve some missing number challenges and to plan how you would spend money if you won the lottery!

The [missing number challenges](#) involve you working out which digits are missing from a calculation. You need to take care with these, as they can often need you to think about carrying digits across. Always work from the units upwards where you can, but keep an eye on any columns where the total is smaller than one of the numbers being added – this means carrying has happened! Fill in each digit, then check your answer by completing the calculation and seeing if you get the same total as the original calculation.

After this, I would like you to use the [Spend Your Lottery Win](#) sheet to pick your top five items and find out how much they would cost you. You could ask your family to choose their top five too and see who has the most expensive taste!

Adding Decimals in Columns

Now that you are a master in adding together whole numbers, we need to remind ourselves how to add together decimal numbers. The process is the same for decimals, the only thing that becomes more important is the need to take care in laying out each number so that the decimal places line up and each column is in the correct place. [This guide](#) should help you to remember what to do.

Once you have reminded yourself of how to add decimals together, you need to have a go at the practice activities on the [Adding Decimals](#) sheet – make sure you are careful when you write out the calculations so that each of the numbers is lined up correctly – units with units, decimal points in the same column etc.

Triple Trouble & Quiz Time

Finally, this week I would like you to have a go at an investigation involving column addition. In the [Triple Trouble](#) task, you have to find three numbers which add together to reach a total within a specific target range. Once you have done this you need to try and explore ways in which you can add together numbers which have specific digits in them, and keep the totals in a target range! You need to spend half an hour on the challenge – hopefully you will manage to complete at least two of the stages.

To finish off our work on Column Addition I have developed a Kahoot quiz for you to have a go at. You will need to enter the answers into the quiz, and I have removed the time limit, so you have time to work out the answers! You can find the quiz [here](#) or you can visit the website and use the PIN 06134446. The quiz will be available until 6pm on Sunday 19th April.



Titanic: Detective Booklet

This week I would like you to complete the next pages within your Titanic Detective Booklet. [These pages](#) are based on you using the information booklet to look for evidence based on each of the four men, Bruce Ismay, Captain Smith, Officer Murdoch and Captain Lord. You can use additional research if you want to, and you need to be able to explain how each person was involved in the sinking of the ship. You are not looking for someone to blame at this point (that comes later!), but you are finding out what each of the people was doing when the ship sank, and if any of the decisions that they made had an impact on the overall events of the sinking of the ship. Add the notes and information you find to the sheets in your booklet, and keep them safe as they will be useful later on in our topic!

Titanic: Reading and Sending Messages in Morse Code

As we have discussed in class, the Titanic had a Marconi room, which used a telegraph to send messages to other ships and to offices on land. Passengers were able to pay to send messages to their family, and this was a new and exciting technology. Firstly, I would like you to look at [this page from the Science Museum](#), which explains all about the wireless room and how it operated. Secondly I would like to you try and complete the [Morse Code Challenge](#) on BBC Bitesize. Finally, you can use the sheets in the pack I posted you to read and write some messages in Morse Code. You could write a coded message out and add it to our blog so that we can all try and decode it!

Science: A Guided Tour of a Human Organ

Before the Easter break I asked you to research one organ, and find out as much as you can about it. This week I would like you to use this research to write a 'guided tour' to the organ you chose, so that I can put them to create a virtual tour around the human body. I would like you to prepare a short script (up to 1 minute), and then record yourself reading this script. Send your recordings to class5@bradworthy.devon.sch.uk and I will put them together to make a guided tour of the human body! If you would like to, you could film yourself, or you could choose some pictures to go with your guided tour and include them in the email. I will then link your pictures and your recording together. Be as creative as you like - you can make your own images or models out of anything you like as long as you explain what you are using to show / describe the organ!

Through the Keyhole

This is the art portion of the [English task](#)! You need to watch this [video](#) on the video resource centre part of our website. Then you need to create your own 'world' through a keyhole. You can be as creative as you like – the finished product will be a combination of your picture and a piece of creative writing.

The pictures in the video may inspire you, or you may want to come up with something original. You could choose to add detail around the lock, or focus only on what can be seen through the lock. Try to think about the work you have completed with Simon about distance and movement in your work.

You can send photos of your work to the class email address, and I will start a gallery post on the blog towards the end of the week so we can share ideas.

Weekly Challenges: Week



Spelling Shed Assignment

Your Spelling Shed assignment this week will be available to you when you log in from Monday 13th April, until Sunday 19th April. I have selected a word list for you to use in games – these are tricky words from the Year Five and Six spelling list (some of you will recognise a few danger words)! You can play the game at all levels from easy to expert, and you will gain ‘points’ based on the scores you have achieved in the last seven days. Once you have played ten games with the words the rest of the games will unlock again, so you can play those as well.

I will be giving everyone who attempts these challenges bonus honeypots to use to develop your avatars.

Let’s keep Year Five at the top of the spelling league – where we belong!

Maths Shed Assignment

As with the spelling games, your Maths Shed assignment will also be available to you when you log in from Monday 13th April, until Sunday 19th April. This week the skill being practiced is mixed addition and subtraction up to 100. I’ve chosen this as it links with the maths sessions in this pack and will hopefully help ‘warm up’ your brains each day before the maths activities!

Again, you can play the game at any level, from easy to expert and you will earn points. Once you’ve played the game 10 times the rest of the Maths Shed games will open up as well. I will be giving anyone who has a go at the challenge some bonus honeypots which you can use to buy more accessories for your avatars, so make sure that you log on and have a go!

Take Ten for Mental Health

There are lots of pictures and pieces of advice available at the moment to guide people in looking after themselves physically and mentally. We have chatted as a class before about how certain activities can help us to keep our mental health positive, and maintain our growth mindsets. Over Easter some of you found wonderful quotes which were motivational, and designed to help people keep a positive outlook in difficult situations.

[This poster](#) was designed several years ago, to give people ideas for things to do to ensure they are taking time to look after themselves and their mental health. Can you have a look at it, and see how many of these things you have been doing? Are there any that you think are particularly important? Are there any that you think should change?

Reading Challenge

Next week we will continue with our work on The Titanic Detective Agency. Rather than hearing me reading each chapter, I thought it would be nice if you guys read some of the story.

If you would like to read some, send me an email on the class address

class5@bradworthy.devon.sch.uk and I will email you back with a portion of the next chapter to read. All you have to then do, is record yourself reading and send it back to me. I will then put the readings together so we have more than one voice telling the story! It would be great to have lots of you doing this, especially as it means I won’t have to record myself quite so much!

Maths 1: Column Addition Practice

Practice Sheet Mild Column addition

Look down the additions.

Decide which will have the largest answer. Make a note of it.

Decide which will have the smallest answer. Make a note of it.

Now find each total. Watch out! They do not all need column addition!

1. $4678 + 2372 + 1352$

2. $5234 + 6024 + 3528$

3. $43,271 + 28,345$

4. $32,846 + 24,758$

5. $63,278 + 6831$

6. $45,734 + 9999$

Practice Sheet Hot Column addition

Look down the additions.

Decide which will have the largest answer. Make a note of it.

Decide which will have the smallest answer. Make a note of it.

Now find each total. Watch out! They do not all need column addition!

1. $4583 + 45,274$

2. $8572 + 4782 + 5837$

3. $6934 + 5047 + 8739$

4. $86,489 + 76,431$

5. $92,371 + 30,004$

6. $45,273 + 23,542 + 13,258$

7. $45,624 + 57,432 + 9467$

8. $5632 + 3789 + 2745 + 3846$



Column Addition Missing Digits

$$\begin{array}{r} 2_79 \\ + 97_5 \\ \hline _ _ 92_ \end{array}$$

$$\begin{array}{r} 72_3 \\ + _819 \\ \hline 12_9_ \end{array}$$

$$\begin{array}{r} 9_ _ 4 \\ + _182 \\ \hline 1414_ \end{array}$$

$$\begin{array}{r} 53_ _ \\ + _ _ 71 \\ \hline 6963 \end{array}$$

$$\begin{array}{r} 81_8 \\ + _658 \\ \hline 14_2_ \end{array}$$

$$\begin{array}{r} 7_6_ \\ + _768 \\ \hline 114_1 \end{array}$$

$$\begin{array}{r} _ _ 32 \\ + 839_ \\ \hline 117_0 \end{array}$$

$$\begin{array}{r} 25_3 \\ + _ _ 83 \\ \hline 409_ \end{array}$$

$$\begin{array}{r} 61_ _ \\ + 2_07 \\ \hline _592 \end{array}$$

$$\begin{array}{r} 71_7 \\ + _ _ 11 \\ \hline 1435_ \end{array}$$

$$\begin{array}{r} 2_0_ \\ + _3_0 \\ \hline 9202 \end{array}$$

$$\begin{array}{r} _ _ 57 \\ + 41_0 \\ \hline 850_ \end{array}$$

$$\begin{array}{r} 73_9 \\ + 8_2_ \\ \hline _ _ 986 \end{array}$$

$$\begin{array}{r} 8_1_ \\ + _249 \\ \hline 158_3 \end{array}$$

$$\begin{array}{r} 6_ _ 1 \\ + _858 \\ \hline 1369_ \end{array}$$

$$\begin{array}{r} 9_10 \\ + 10_ _ \\ \hline _ _ 045 \end{array}$$

$$\begin{array}{r} _5_3 \\ + 7_0_ \\ \hline 10383 \end{array}$$

$$\begin{array}{r} 604_ \\ + _ _ 05 \\ \hline 122_2 \end{array}$$

$$\begin{array}{r} 75_ _ \\ + _ _ 42 \\ \hline 14828 \end{array}$$

$$\begin{array}{r} 8_ _ 5 \\ + 459_ \\ \hline _ _ 792 \end{array}$$

Spend Your Lottery Winnings



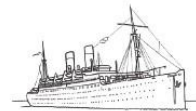
Fast Car
£49 995



House
£459 356



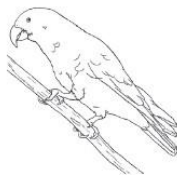
Giant TV
£2876



Round the World Cruise
£24 328



Sailing Boat
£119 345



Exotic Pet
£19 875



Entire wardrobe of clothes
£16 291



Diamond Ring
£11 853



Donation to charity
£25 000



Personal Assistant for 10 years
£212 592



Household Robot
£37 649



Video Games
£7842

Adding Decimals: Helpful Hints

Use written addition to add decimals.

$$45.7 + 3.45$$

Are you happy
with this
layout?

$$\begin{array}{r} 45.7 \\ + 3.45 \\ \hline \end{array}$$

$$\begin{array}{r} 45.7 \\ + 3.45 \\ \hline 49.15 \end{array}$$

No! The columns need to be aligned correctly.
We need to align tenths with tenths, etc. The easy way to do this is to align the decimal point in each number.

Column addition of decimal numbers.

Table of shot put results

Athlete	1st throw	2nd throw
Ceri	21.67m	24.79m
James	22.12m	24.65m
Gurpit	22.45m	21.89m
Natasha	23.57m	22.68m
Alice	22.56m	23.13m

Find
Ceri's total

$$\begin{array}{r} 21.67\text{m} \\ + 24.79\text{m} \\ \hline \end{array}$$



Adding Decimals

Practice Sheet Hot Adding decimals

Add each pair of numbers to find an exact total.

1. $67.8 + 35.9$ 2. $45.8 + 26.7$ 3. $5.42 + 6.37$ 4. $4.48 + 3.27$

5. $5.63 + 2.84$ 6. $6.57 + 2.48$ 7. $7.85 + 4.56$ 8. $37.2 + 4.28$

9. $24.6 + 3.84$ 10. $47.4 + 8.7$ 11. $3.78 + 21.8$ 12. $45.5 + 2.52$

Long jump results

Who do you think won the long jump event?
Find the total of the three jumps for each athlete.
Then rank the athletes.

Athlete	1st jump	2nd jump	3rd jump
Sunita	3.45m	3.28m	3.64m
Dylan	2.87m	3.14m	2.96m
Faith	2.92m	3.04m	2.97m
Lee	3.07m	3.26m	3.18m
Toby	3.46m	3.19m	3.24m
Abbie	3.27m	3.54m	3.27m

Triple Trouble

Investigation Triple Trouble

Write any addition of three 4-digit numbers where the answer is between 28,550 and 28,650.

Can you find solutions:

- that use all digits 0 to 9 at least once;
- where no digit 0 to 9 is used more than twice;
- that use the same number three times...?

What is your strategy for getting into the problem?

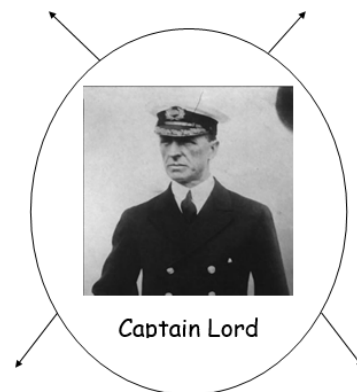
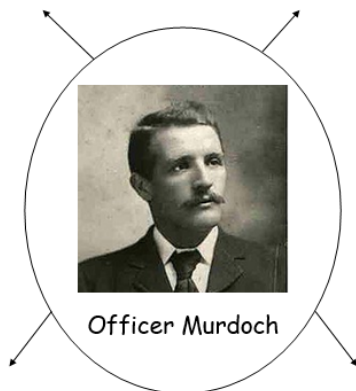
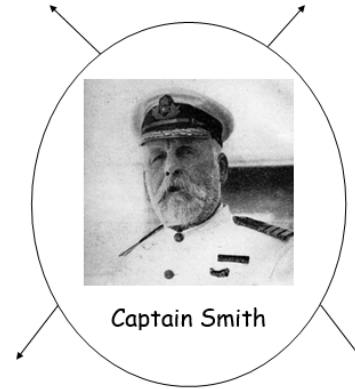
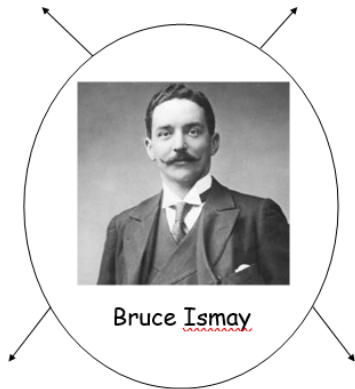
Are you using any number patterns to help?

Can you write an explanation of what you did?



Titanic Detective Booklet Activities: Week One

Now study the five statements from crew involved in the disaster. What role did each person play in the sinking?



'10 a day' choices towards balancing our mental health



Talk about your feelings



Do something you enjoy and are good at



Keep yourself hydrated



Eat well



Keep active in mind and body



Take a break



Stay connected to those you care about



Ask for help



Be proud of your very being



Actively care for others