

## Learning Grid for week beginning: 11.05.20

All of our activities have been designed to try to avoid the need for printing of any kind, although of course you can print if you want to. Remember, you should always check with an adult before using the internet and remember to tell an adult if you see something that makes you feel uncomfortable. There's further guidance from the NSPCC [here](#).

Maths		English		Theme	Physical	Social
Arithmetic	Further tasks	Reading	Writing (including spelling, punctuation & grammar)			
<p>Arithmetic: keep building your fluency in mathematics by completing a sheet each day. Remember, you can copy the equations on to some scrap paper before you answer each one.</p> <p>The focuses for this week are:</p> <p>Arithmetic 1 – Converting decimals to fractions</p> <p>Arithmetic 2 – Converting decimals to 100ths</p> <p>Arithmetic 3 – Converting whole numbers and decimals to fractions</p> <p>Arithmetic 4 – Converting mixed decimals to fractions</p> <p>Arithmetic 5 – Decimal Riddle</p>	<div style="text-align: center;">  <p>Go to White Rose Maths website – <a href="#">click here</a></p> <p>Go to Year 5</p> <p>Click on 'Summer Term – Week 4 (WC 11<sup>th</sup> MAY)</p> <p>Each day watch the new video and complete the worksheet. These worksheets are no longer free so we have included them as attachments to work from. Copy onto a book or scrap paper to calculate.</p> <div style="text-align: center;">  </div> <p>Now we are moving towards the end of our decimals topic. Make sure you have completed all of your activities so that you are ready for the end of topic test. If you cannot remember your log in please email Miss Cable or Mr Sharp for this. We are keeping track of who is able to complete these and would like more of you to be</p> </div>	<p>Aim to read for 25 minutes every day, with an adult when you can.</p> <p>Ebooks links: MyOn – <a href="#">click here</a></p> <p>Collins – <a href="#">click here</a></p> <p>Oxford – <a href="#">click here</a></p> <p>Link to check whether there's a quiz – <a href="#">click here</a></p> <p>Link to do Accelerated Reader quizzes from home: <a href="https://ukhosted56.rnlearn.co.uk/1894764/">https://ukhosted56.rnlearn.co.uk/1894764/</a></p> <p><b>Reading task:</b></p> <p>Can you write a description of the main character from your book <b>using quotes</b> from the text as evidence?</p>	<p><b>Spelling:</b> Spelling focus: (RECAP) Words with 'silent' letters (i.e. letters whose presence cannot be predicted from the pronunciation of the word) - <i>doubt, island, lamb, solemn, thistle, knight, thumb, sign, caught, taught, wring, honour, column, autumn, gnarled.</i> Find visual ways to help you remember these.</p> <p><b>Titanic</b> <a href="https://www.encyclopedia-titanica.org/titanic-passenger-list/">https://www.encyclopedia-titanica.org/titanic-passenger-list/</a> Click on to Encyclopaedia Titanic to find out as much as you can about one of these passengers on the Titanic: Molly Brown, Thomas Andrews, Bruce Ismay, Lady Duff Gordon. Think of a clever way to display this information. Then write as if you are interviewing your Titanic passenger. Remember to include your questions and the passenger's answers.</p> <p>We would like you to write a script for a television report about the sinking of the</p>	<p>Keep going with your brass lessons. If you have your trumpet/trombone at home make sure you are logging into charanga <a href="https://charanga.com/site/">https://charanga.com/site/</a> to complete the missions. Mr Driscoll has included some other activities on there for those who play other instruments too.</p> <p><b>Titanic Science:</b> Write down 10 interesting facts about icebergs.</p> <p>Iceberg Experiment: Prove to us that an iceberg is made up of fresh water. See the experiment below.</p> <p>Find out about three creatures that live in the Atlantic Ocean and say why they are adapted to their environment.</p>	<div style="text-align: center;">  </div> <p>The Olympics may have been postponed but we can compete against each year group to see who can travel the furthest.</p> <p>Our school has been set up on the "Get Set Travel to Tokyo" so don't forget to log your family's activity!</p> <p>Once again, you have the opportunity to choose two activities of your own choice.</p> <p>With Cricket, fielding skills are just important as being able to bat and bowl successfully. Many a game has been won because of quick and accurate fielding. So know is the time to practice throwing and catching skills. Try some of the drills such as run and roll and ball drop and pick up from this website <a href="https://www.sportplan.n">https://www.sportplan.n</a></p>	<div style="text-align: center;">  </div> <p>There are lots more Wheel of Wellbeing tasks <a href="#">here</a>.</p> <div style="text-align: center;">  </div> <p>Sometimes we create time capsules to remember events by. What 5 things might you put in your Titanic time capsule?</p> <p>Design something that celebrates the <b>75th VE Day Anniversary</b>. It could be a poster, a sour dough model of a poppy or medal, something made out of Lego to do with the war, a photo of you having a VE party, a</p>

	having a go. Let us know if there are any problems with logging in or completing these activities.		Titanic. You could use a quote from your interview	<a href="https://www.worldatlas.com/articles/what-animals-live-in-the-atlantic-ocean.html">https://www.worldatlas.com/articles/what-animals-live-in-the-atlantic-ocean.html</a>	<a href="https://www.worldatlas.com/articles/what-animals-live-in-the-atlantic-ocean.html">et/drills/Cricket/Ground-fielding-and-throwing/practiceIndex.jsp</a>	dance or you singing a war song. These are a few suggestions but you might have your own ideas.
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# Titanic Science: Iceberg Experiment

You can make your own homemade "seawater" and freeze it to make sea ice.

1. Mix up a batch of synthetic [seawater](#). You can approximate seawater by mixing 5 grams of salt in 100 ml of water. Don't worry too much about the concentration. You just need salty water.
2. Put the water in your freezer. Allow it to partially freeze.
3. Remove the ice and rinse it in very cold water (so you don't melt too much of it). Taste the ice.
4. How does the ice cube taste compared with the salty water left in the container?

Why do you think this happens?





## Answer to the Titanic Science Iceberg Experiment:

When you freeze ice out of saltwater or seawater, you're essentially forming a water crystal. The crystal lattice doesn't make much room for salts, so you get ice that is purer than the original water. Similarly, icebergs that form in the ocean (which are really ice floes) aren't as salty as the original water. Icebergs that float in the sea don't become contaminated with salt for much the same reason. Either the ice melts into the ocean or else relatively pure water freezes out of the seawater.

# Arithmetic 1

Convert these decimals to fractions.

- Leave your fraction answers as a decimal fraction with the denominator as a power of 10, you do not need to simplify your fraction.
- If the decimal is greater than one, leave your answer as a mixed fraction.

1)  $0.6 =$                       13)  $0.34 =$                       25)  $1.8 =$

2)  $0.3 =$                       14)  $0.2 =$                       26)  $3.4 =$

3)  $0.1 =$                       15)  $0.81 =$                       27)  $2.63 =$

4)  $0.9 =$                       16)  $0.7 =$                       28)  $9.6 =$

5)  $0.8 =$                       17)  $0.325 =$                       29)  $4.39 =$

6)  $0.27 =$                       18)  $0.289 =$                       30)  $7.28 =$

7)  $0.58 =$                       19)  $0.452 =$                       31)  $0.375 =$

8)  $0.81 =$                       20)  $0.013 =$                       32)  $6.41 =$

9)  $0.43 =$                       21)  $0.67 =$                       33)  $1.372 =$

10)  $0.92 =$                       22)  $0.29 =$                       34)  $5.391 =$

11)  $0.78 =$                       23)  $0.316 =$                       35)  $8.29 =$

12)  $0.55 =$                       24)  $0.527 =$                       36)  $11.83 =$



# Arithmetic 2

Complete the table by converting the decimals into decimal fractions and also fraction in simplest form. The first one is done for you.

	Decimal	=	Decimal fraction	=	Simplest form
1)	0.65	=	$\frac{65}{100}$	=	$\frac{13}{20}$
2)	0.3	=		=	
3)	0.75	=		=	
4)	0.2	=		=	
5)	0.36	=		=	
6)	0.5	=		=	
7)	0.73	=		=	
8)	0.18	=		=	
9)	0.43	=		=	
10)	0.92	=		=	
11)	0.78	=		=	
12)	0.25	=		=	
13)	0.39	=		=	
14)	0.48	=		=	



# Arithmetic 3

Convert these mixed decimals to fractions.

- Leave your fraction answers as a decimal fraction with the denominator as a power of 10, you do not need to simplify your fraction.
- Give your answer as both a mixed fraction and an improper fraction.

			Mixed	Improper				Mixed	Improper
1)	2.6	=	$2 \frac{6}{10}$	$\frac{26}{10}$	13)	2.34	=		
2)	1.3	=			14)	8.2	=		
3)	3.1	=			15)	0.81	=		
4)	0.9	=			16)	4.7	=		
5)	4.8	=			17)	2.35	=		
6)	0.34	=			18)	1.29	=		
7)	1.58	=			19)	6.45	=		
8)	4.81	=			20)	5.03	=		
9)	1.43	=			21)	8.6	=		
10)	0.85	=			22)	1.09	=		
11)	3.78	=			23)	7.36	=		



# Arithmetic 4

Convert these mixed decimals to fractions. Write your answers as a decimal fraction and also as a fraction in simplest form. The first one is done for you.

	Decimal		Decimal fraction		Simplest form
1)	3.25	=	$3 \frac{25}{100}$	=	$3 \frac{1}{4}$
2)	1.72	=			
3)	8.66	=			
4)	0.321	=			
5)	4.32	=			
6)	2.625	=			
7)	1.348	=			
8)	9.072	=			
9)	0.84	=			
10)	5.682	=			
11)	1.927	=			
12)	8.8	=			
13)	3.256	=			
14)	6.875	=			



# Arithmetic 5



## FRACTION - DECIMAL RIDDLES 1

Use the clues to find the correct fraction from the 6 possibilities.

### CHALLENGE A

- I am more than a half.
- I am not equivalent to three-quarters.
- I have an odd number of hundredths.

Who am I? \_\_\_\_\_

A 0.32	B 0.8	C 0.25
D 0.41	E 0.75	F 0.59

### CHALLENGE B

- I am less than  $\frac{3}{4}$ .
- I am more than  $\frac{3}{10}$ .
- I have an even number of tenths.
- I am not equivalent to a quarter.

Who am I? \_\_\_\_\_



# Arithmetic Answers

Remember to use these only once you have completed the questions for yourself – a good idea might be to get an adult to help you check your answers and to help with anywhere you went wrong

## Arithmetic 1 – Answers:



Convert these decimals to fractions.

- Leave your fraction answers with the denominator as a power of 10, you do not need to simplify your fraction.
- If the decimal is greater than one, leave your answer as a mixed fraction.

1)	$0.6 = \frac{6}{10}$	13)	$0.34 = \frac{34}{100}$	25)	$1.8 = 1 \frac{8}{10}$
2)	$0.3 = \frac{3}{10}$	14)	$0.2 = \frac{2}{10}$	26)	$3.4 = 3 \frac{4}{10}$
3)	$0.1 = \frac{1}{10}$	15)	$0.81 = \frac{81}{100}$	27)	$2.63 = 2 \frac{63}{100}$
4)	$0.9 = \frac{9}{10}$	16)	$0.7 = \frac{7}{10}$	28)	$9.6 = 9 \frac{6}{10}$
5)	$0.8 = \frac{8}{10}$	17)	$0.325 = \frac{325}{1000}$	29)	$4.39 = 4 \frac{39}{100}$
6)	$0.27 = \frac{27}{100}$	18)	$0.289 = \frac{289}{1000}$	30)	$7.28 = 7 \frac{28}{100}$
7)	$0.58 = \frac{58}{100}$	19)	$0.452 = \frac{452}{1000}$	31)	$0.375 = \frac{375}{1000}$
8)	$0.81 = \frac{81}{100}$	20)	$0.013 = \frac{13}{1000}$	32)	$6.41 = 6 \frac{41}{100}$
9)	$0.43 = \frac{43}{100}$	21)	$0.67 = \frac{67}{100}$	33)	$1.372 = 1 \frac{372}{1000}$
10)	$0.92 = \frac{92}{100}$	22)	$0.29 = \frac{29}{100}$	34)	$5.391 = 5 \frac{391}{1000}$
11)	$0.78 = \frac{78}{100}$	23)	$0.316 = \frac{316}{1000}$	35)	$8.29 = 8 \frac{29}{100}$
12)	$0.55 = \frac{55}{100}$	24)	$0.527 = \frac{527}{1000}$	36)	$11.83 = 11 \frac{83}{100}$

## Arithmetic 2 – Answers:

	Decimal		Decimal fraction		Simplest form
1)	0.65	=	$\frac{65}{100}$	=	$\frac{13}{20}$
2)	0.3	=	$\frac{3}{10}$	=	$\frac{3}{10}$
3)	0.75	=	$\frac{75}{100}$	=	$\frac{3}{4}$
4)	0.2	=	$\frac{2}{10}$	=	$\frac{1}{5}$
5)	0.36	=	$\frac{36}{100}$	=	$\frac{9}{25}$
6)	0.5	=	$\frac{5}{10}$	=	$\frac{1}{2}$
7)	0.73	=	$\frac{73}{100}$	=	$\frac{73}{100}$
8)	0.18	=	$\frac{18}{100}$	=	$\frac{9}{50}$
9)	0.43	=	$\frac{43}{100}$	=	$\frac{43}{100}$
10)	0.92	=	$\frac{92}{100}$	=	$\frac{23}{25}$
11)	0.78	=	$\frac{78}{100}$	=	$\frac{39}{50}$
12)	0.25	=	$\frac{25}{100}$	=	$\frac{1}{4}$
13)	0.39	=	$\frac{39}{100}$	=	$\frac{39}{100}$
14)	0.48	=	$\frac{48}{100}$	=	$\frac{12}{25}$

## Arithmetic 3 – Answers:

			Mixed	Improper				Mixed	Improper
1)	2.6	=	$2 \frac{6}{10}$	$\frac{26}{10}$	13)	2.34	=	$2 \frac{34}{100}$	$\frac{234}{100}$
2)	1.3	=	$1 \frac{3}{10}$	$\frac{13}{10}$	14)	8.2	=	$8 \frac{2}{10}$	$\frac{82}{10}$
3)	3.1	=	$3 \frac{1}{10}$	$\frac{31}{10}$	15)	0.81	=	$\frac{81}{100}$	
4)	0.9	=	$\frac{9}{10}$		16)	4.7	=	$4 \frac{7}{10}$	$\frac{47}{10}$
5)	4.8	=	$4 \frac{8}{10}$	$\frac{48}{10}$	17)	2.35	=	$2 \frac{35}{100}$	$\frac{235}{100}$
6)	0.34	=	$\frac{34}{100}$		18)	1.29	=	$1 \frac{29}{100}$	$\frac{129}{100}$
7)	1.58	=	$1 \frac{58}{100}$	$\frac{158}{100}$	19)	6.45	=	$6 \frac{45}{100}$	$\frac{645}{100}$
8)	4.81	=	$4 \frac{81}{100}$	$\frac{481}{100}$	20)	5.03	=	$5 \frac{3}{100}$	$\frac{503}{100}$
9)	1.43	=	$1 \frac{43}{100}$	$\frac{143}{100}$	21)	8.6	=	$8 \frac{6}{10}$	$\frac{86}{10}$
10)	0.85	=	$\frac{85}{100}$		22)	1.09	=	$1 \frac{9}{100}$	$\frac{109}{100}$
11)	3.78	=	$3 \frac{78}{100}$	$\frac{378}{100}$	23)	7.36	=	$7 \frac{36}{100}$	$\frac{736}{100}$

## Arithmetic 4 – Answers:

	Decimal	=	Decimal fraction	=	Simplest form
1)	3.25	=	$3 \frac{25}{100}$	=	$3 \frac{1}{4}$
2)	1.72	=	$1 \frac{72}{100}$	=	$1 \frac{18}{25}$
3)	8.66	=	$8 \frac{66}{100}$	=	$8 \frac{33}{50}$
4)	0.321	=	$\frac{321}{1000}$	=	$\frac{321}{1000}$
5)	4.32	=	$4 \frac{32}{100}$	=	$4 \frac{8}{25}$
6)	2.625	=	$2 \frac{625}{1000}$	=	$2 \frac{5}{8}$
7)	1.348	=	$1 \frac{348}{1000}$	=	$1 \frac{87}{250}$
8)	9.072	=	$9 \frac{72}{1000}$	=	$9 \frac{9}{125}$
9)	0.84	=	$\frac{84}{100}$	=	$\frac{21}{25}$
10)	5.682	=	$5 \frac{682}{1000}$	=	$5 \frac{341}{500}$
11)	1.927	=	$1 \frac{927}{1000}$	=	$1 \frac{927}{1000}$
12)	8.8	=	$8 \frac{8}{10}$	=	$8 \frac{4}{5}$
13)	3.256	=	$3 \frac{256}{1000}$	=	$3 \frac{32}{125}$
14)	6.875	=	$6 \frac{875}{1000}$	=	$6 \frac{7}{8}$

# Arithmetic 5 – Answers:

## FRACTION - DECIMAL RIDDLES 1 ANSWERS CHALLENGE A



- I am more than a half.
- I am not equivalent to three-quarters.
- I have an odd number of hundredths.

Who am I? F) 0.59

A 0.32	B 0.8	C 0.25
D 0.41	E 0.75	F 0.59

## CHALLENGE B

- I am less than  $\frac{3}{4}$ .
- I am not equivalent to a quarter.
- I am more than  $\frac{4}{10}$ .
- I have an even number of tenths.

Who am I? D) 0.41

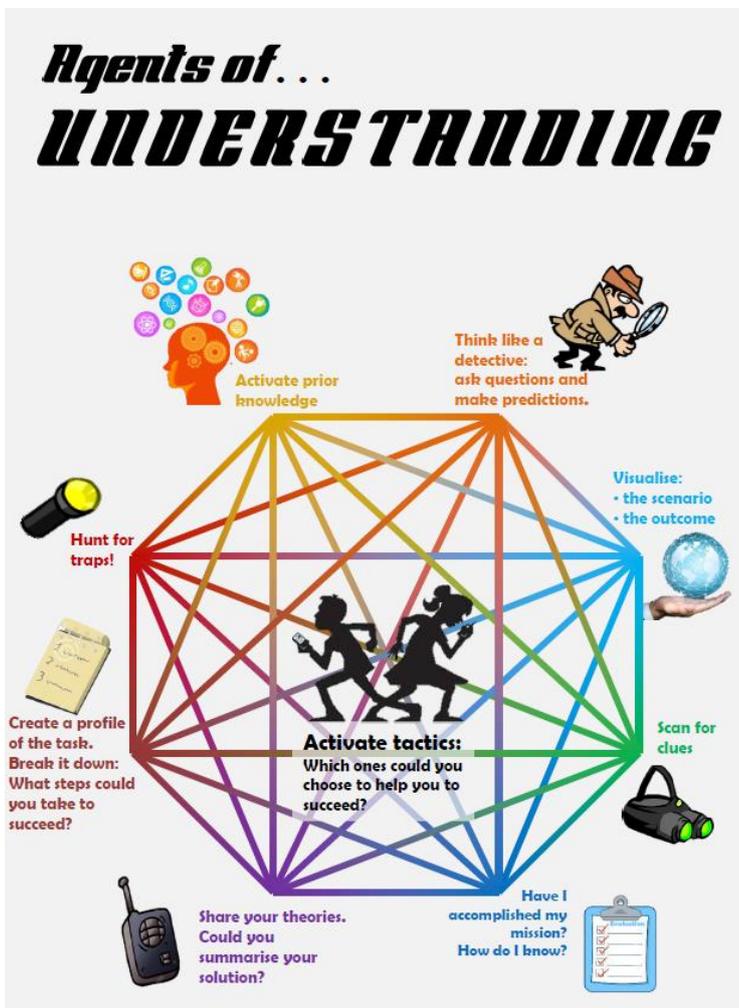
# Reading Task

Can you write a description of the main character from your book using quotes from the text as evidence? Think back to our character descriptions when we write our stories, we use what other characters say to offer more knowledge and insight into the character's actions and thoughts.

Can you pick these out when you read your book?

What do others say about him/her?

How do other people react to him/her, what are their actions?



# Writing Task

## Recount toolkit

To make an effective Newspaper Report Script for Television, you could:

- Write/speak in the past tense
- Use quotes and eye witness statements
- Use specific dates/times/names of people and places
- Sequential adverbials (when...next...then..)
- Basic and powerful use of verbs
- Descriptive language (adjectives and adverbs)
- Emphasis on sources of information / evidence
- Use of repetition for effect

Example of boxing up structure – you can copy this on to your scrap paper:

How to introduce new ideas
Openings: News just in, Tonight at 10, Our top story tonight, We have just heard, Breaking news
Middle: For further details on tonight's top story we go live to, Now live from (name of place) our special correspondence reporter (name) speaks with, We are now joined in the studio by an expert on marine disasters
Make it emotive: Never in the history of marine travel has the nation witnessed..., the whole of Southampton is in mourning, an eerie silence has fallen over Southampton
Plan: Introduce the news about the disaster, talk about the scale of it (number of deaths and how many survived) How did it sink? Refer to the evacuation of people and problems with the lifeboats. Interview witness Refer to the impact on Southampton where most of the crew came from.
Closing summary: And on that devastating news, No-one can truly understand the impact of this tragedy, And then from a devastated Southampton ....

# Theme Tasks

The RMS Titanic was a British cruise ship that sank on April 15, 1912 during its first voyage from England to New York. Over 1,500 people died.

## The World's Biggest Ship

When the Titanic left England, it was the largest ship in the world. It was 882 feet long, over 100 feet tall, and had 10 levels. It was so large and well-built that it was touted as being "unsinkable."

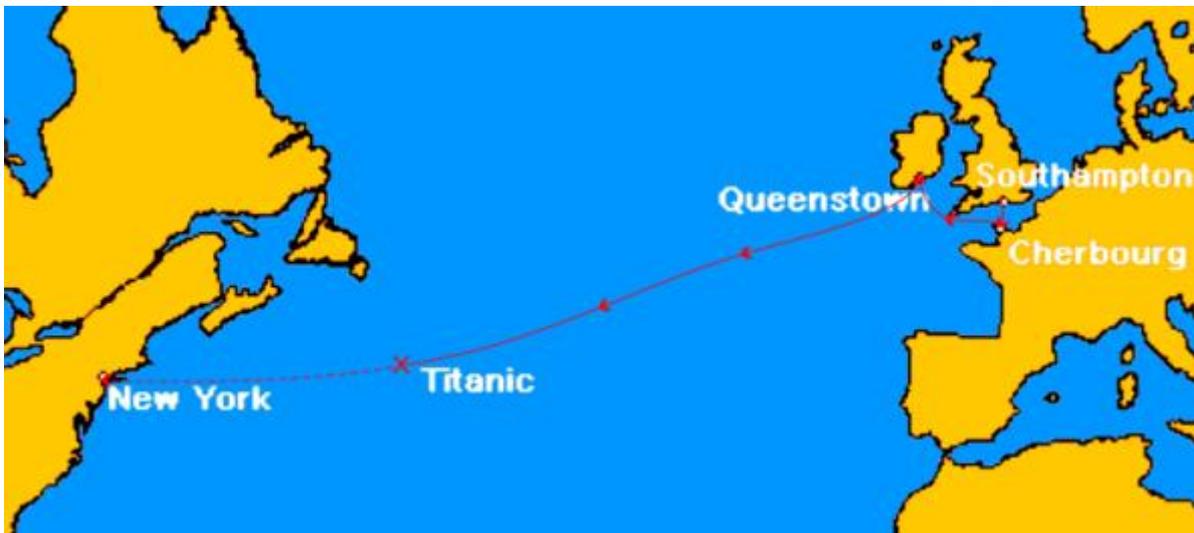
## Was it safe?

At the time, the Titanic was considered one of the safest ships ever built. It had all sorts of safety features. Its hull had two layers of steel to help prevent leaks. It also had 16 compartments that could be sealed off using watertight steel doors. If the ship sprung a leak, the doors would close keeping the ship from sinking.

## Building the Titanic

The Titanic was built using the best technology of the time including two giant steam engines and a turbine that provided 46,000 horse power. It took over two years and 15,000 workers to build the Titanic.

The ship had the facilities to support up to 2,453 passengers and 900 crew. The first class area was decorated more like a fancy hotel than a ship. There was a swimming pool, gymnasium, barber shop, library, several cafes, and a squash court.



Route taken by the Titanic.  
Approximate location of where the ship sank.  
Source: Wikimedia Commons

## The Maiden Voyage Begins

The Titanic departed from Southampton, England on April 10, 1912. It then stopped at the French port of Cherbourg and the Irish port of Queenstown to pick up more passengers. It left Queenstown and began its fateful trip across the Atlantic Ocean on April 11, 1912.

## The Iceberg

Despite being warned of the potential of icebergs in the northern waters, the Titanic continued across the Atlantic at full speed. However, a giant iceberg was spotted by a lookout in the path of the Titanic on the night of April 14. The captain tried to steer around the iceberg, but it was too late. The iceberg hit the side of the ship.

## The Ship Begins to Sink

The Titanic had been designed to withstand almost anything. However, the designers didn't consider what would happen if an iceberg hit the side. As the ship scraped along the side of the iceberg, it ripped several holes into the side the ship. Five of the ships 16 compartments began to fill with water. This was too many. It soon became clear that the ship would sink.

## Not Enough Life Boats

The ship's crew began to get people aboard the lifeboats. They quickly discovered that there were not enough lifeboats for all the passengers. The ship was designed to carry 32 lifeboats, but there were only 20 on board. Also, in their panic, many of the lifeboats left the Titanic only half full. Women and children were put on the lifeboats first, leaving many fathers and husbands behind on the sinking ship.



Newspaper report on the disaster  
Author: New York Herald



# Physical Tasks



The Tokyo 2020 Games may not be happening this year but we can still get active.

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Get Ready! Our school is getting active with Team GB and Paralympics GB by joining the Travel to Tokyo challenge. We want you to travel the distance to Tokyo by getting active as a family. There are weekly school prizes to be won too!

**FIND OUT MORE** – [here](#)

**LOG ACTIVITY** – [here](#)

**KEEP TRACK OF PROGRESS** – [here](#)

We will be encouraging the entire school community to travel the distance to Tokyo by getting active.

We have turned each year into a **Travel to Tokyo team** (EYFS Team, Year 1 Team, Year 2, Year 3, Year 4, Year 5 and Year 6). All the physical activity your family does at home will count towards their journey to Tokyo. All they need to do is record their activity on our easy-to use **Log Activity page**. Which team can travel the furthest?

There are lots of ideas for getting active on the **Travel to Tokyo website**. You don't need lots of equipment or space – playing in the garden or having a dance off to your favourite song – if it gets their heart pumping, it all counts!

# Social Tasks



## Wheel of Well-being

Pick someone at home to help you with this:



## exercise 1: watching a good listener

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Watching people who are good listeners helps build your own communication skills. Think of someone you consider to be a good listener and ask them to do this exercise with you. Choose something meaningful to discuss with that person, face-to-face. Describe your feelings as well as the facts about a situation. Be aware of the feelings you are trying to communicate. These might be joy, anger, helplessness, fatigue, loneliness, love, sadness and so on. When you talk to your friend, notice his or her non-verbal communication.

### how does this listener sit?

#### Look for:

- Leaning forward with interest
- An open posture, where arms and legs are uncrossed
- Eye contact, looking in your eyes and holding your gaze when you are expressing emotion
- Tone of voice is even and warm
- Touch to your arm or shoulder, a caring hug, or a warm smile

### what about your friend's verbal communication?

- Rephrases what you say
- Identifies the feelings you express

After you have finished your observation, practice these skills with a friend or family member.