

**Year 6**  
**Home Learning 10**

Here are some topics which you can work from at home. All work can be recorded in a way you choose.

The theme for this week is **Jobs**

Each day we put a 'Word of the Day' on the grid below. See if you can:

- Find the definition
- Use the word in a sentence
- List any synonyms
- List any antonyms
- Use the word in a different context
- Use an image to represent the word - be creative!

Day	Word	English	Maths	Science	Physical	Transition activities (ready for Yr7)
Monday	ambition	<p><u>Reading and Research</u> Last week it was World Ocean Day.</p> <p>Explore and navigate your way around the website <a href="https://worldoceansday.org/">https://worldoceansday.org/</a></p> <p>Can you answer the following questions?</p> <p>What are the oceans so important?</p> <p>What does a 'healthy' ocean mean to you?</p> <p>What is damaging the World's Oceans?</p> <p>Can you tell me an interesting fact about our oceans?</p> <p>Complete the reading comprehension attached below.</p>	<p><b>Topic: Fractions</b> <i>Decimal and fraction equivalence</i></p> <p><a href="https://classroom.thenational.academy/lessons/decimal-and-fraction-equivalence">https://classroom.thenational.academy/lessons/decimal-and-fraction-equivalence</a></p>	<p><u>Research</u> Research different scientist jobs.</p> <p>E.g. Astronomer, Microbiologist etc.</p> <p>As it is World Ocean Week – are there are scientists that use the ocean as their place of work.</p> <p>What are they called?</p> <p>What do they do?</p> <p>How do they help our environment?</p>	<p>Start a challenge for this week.</p> <p><b>Challenge</b></p> <p>Step it up – This week your task is to start building some muscle.</p> <p><b>Upper Body Strength</b></p> <p>Each day try to increase the amount of <b>press ups</b> that you can do.</p> <p>This could be an extra repetition each day.</p> <p>To make it easier, do half press ups using your knees.</p> <p><b>Lower Body Strength</b></p> <p>Each day try to increase the amount of <b>squats</b> that you can do.</p> <p>This could be an extra repetition each day.</p> <p>To make it harder find an object in</p>	<p>Starting secondary school is a time where organisation and independence can flourish; a good routine is essential for this. Ask your child to plan their morning routine (from waking up to arriving at school) and then plan their evening routine too (from leaving school to going to bed). Remind them to think carefully about how long each activity will take and what times of the day they will be able to complete hobbies such as reading or after school clubs.</p>

<p style="text-align: center;"><b>Tuesday</b></p>	<p style="text-align: center;">occupation</p>	<p><b>SPaG.com</b> Log onto SPaG.com and complete the online tasks.</p> <p>If you do not have access to the online resources. See the attached activity below.</p>	<p><b>Topic: Fractions</b> <i>Decimal equivalents of fractions</i></p> <p><a href="https://classroom.thenational.academy/lessons/decimal-equivalents-of-fractions">https://classroom.thenational.academy/lessons/decimal-equivalents-of-fractions</a></p>	<p>This week is all about jobs and our job as a human being is to <b>keep ourselves healthy</b>.</p> <p>Our health is extremely important and you should make sure you think about what food you eat as part of a balanced diet.</p> <p>Use this website: <a href="https://www.bbc.co.uk/bitesize/topics/zrfr82/articles/zppvv4j">https://www.bbc.co.uk/bitesize/topics/zrfr82/articles/zppvv4j</a></p> <p>Answer these questions:</p> <p>What is the function of <b>carbohydrates</b>?</p> <p>What is the function of <b>proteins</b>?</p> <p>What is the function of <b>fats</b>?</p> <p>What is the function of <b>fibre</b>?</p>	<p>your house that you can hold and squat using the object. E.g. Hold a tin of beans in front of your chest and squat.</p> <p><b>Co-ordination</b></p> <p>Having great hand eye coordination is extremely important and will make lots of activities easier. E.g. catching, striking a ball etc.</p> <p>Your task is to try to learn to juggle using this video. <a href="https://www.youtube.com/watch?v=JZmmOdnIjG4">https://www.youtube.com/watch?v=JZmmOdnIjG4</a></p> <p>Keep persevering until you get there. Master 2 first and then go for 3. If you don't have juggling balls you can use tennis balls or even rolled up socks!</p>	
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<b>Wednesday</b>	aspiration	<p><b>Writing</b> Your task is to write a formal, persuasive letter to your potential employer explaining why you are the perfect candidate for your <b>dream job</b>.</p> <p>Aim for 4 clear paragraphs that are informative and concise.</p> <p>Research about your <b>dream job</b> and use this to help you.</p> <p>Ensure it is formal – use formal language and techniques.</p> <p>Use persuasive features:</p> <ul style="list-style-type: none"> <li>- Use facts, quotes or statistics.</li> <li>- Use emotive language</li> <li>- Repetition of your main points will ensure your message is understood.</li> </ul> <p>Structure:</p> <ul style="list-style-type: none"> <li>- Introduction – who you are, the job you are applying for and why you are writing.</li> <li>- Why the job is so important to you and why you want to work there.</li> <li>- Why they should hire you – your skills, experience and your aspirations.</li> <li>- Summarise all of your main points and convince them that you</li> </ul>	<p><b>Topic:</b> <b>Fractions</b> <i>Add fractions</i></p> <p><a href="https://classroom.thenational.academy/lessons/add-fractions">https://classroom.thenational.academy/lessons/add-fractions</a></p>		<p>What should I take to school? Lots of new and different equipment is needed for secondary school. Create a shopping list with your child which includes all of the equipment they will need; consider specific lessons such as P.E and Food Technology. Use their new school’s website for support. Ask your child to draw the everyday items needed. Do they need different equipment on different days? What should they not take with them?</p>
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		<p>are the perfect candidate.</p> <p>Remember to thank them for taking the time to read your letter and sign it off formally.</p>			
<b>Thursday</b>	motivate	<p><b>Speaking and Listening</b> Prepare for your job interview by creating prompt cards. This will help you to remember key/important facts.</p> <p>Get a member of your family to interview you.</p> <p>If they were your potential employer, would they give you the job?</p>	<p><b>Topic: Fractions</b> <i>Subtract fractions</i></p> <p><a href="https://classroom.thenational.academy/lessons/subtract-fractions">https://classroom.thenational.academy/lessons/subtract-fractions</a></p>	<p>As well as diet, it's important to maintain a healthy lifestyle.</p> <p>Learning link: <a href="https://www.bbc.co.uk/bitesize/topics/zrffr82/articles/ztsqfcw">https://www.bbc.co.uk/bitesize/topics/zrffr82/articles/ztsqfcw</a></p> <p>Create a list of things that you need and don't need in order to fulfil a healthy lifestyle. You could create a table and include pictures too to make it look more appealing.</p>	<p>As you move to secondary school, it is important that you consider your hopes and concerns.</p> <p>Using an outline of a face, draw the aspects of secondary life that you are looking forward and what you are a little bit nervous about.</p>
<b>Friday</b>	employment	<p><b>Spelling</b> Choose 10 different Year 6 spelling words and write a paragraph which includes them all. Can your paragraph include information about the environment?</p> <p>Log on to Spelling Shed and complete this week's activities.</p>	<p><b>Topic: Fractions</b> <i>Fractions problem solving</i></p> <p><a href="https://classroom.thenational.academy/lessons/fractions-problem-solving">https://classroom.thenational.academy/lessons/fractions-problem-solving</a></p>		

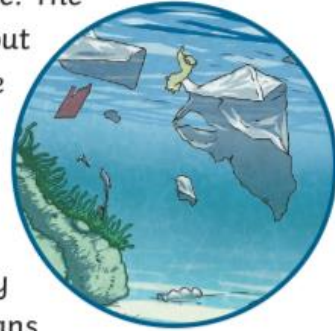
## Reading Comprehension Activity

### World Oceans Day

# World Oceans Day

#### **What Is It?**

World Oceans Day is celebrated annually on the 8<sup>th</sup> June. The purpose of the day is to inform and educate people about the negative impact that human actions have on the ocean and the importance of finding ways to conserve, protect and sustain the ocean for the future.



#### **Oceans**

Oceans cover over 70% of the Earth's surface and they contain around 96% of all the water on the planet. Oceans are the world's largest habitat and are home to a wide variety of creatures and living things. There are 5 oceans on Earth. They are:

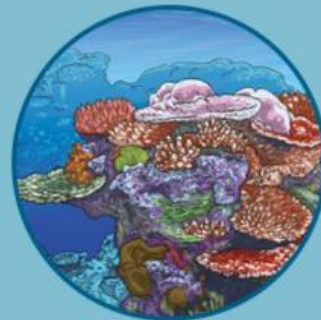


- the Pacific
- the Atlantic
- the Arctic
- the Indian
- the Southern

The oceans play a major role in everyday life all around the globe. They provide a majority of the oxygen that we breathe, and many people consider them to be the lungs of our planet. Another of the ocean's important roles is to soak up energy in the form of heat and distribute it evenly throughout the Earth. It also helps to absorb about one-quarter of the carbon dioxide (CO<sup>2</sup>) that we humans create when we burn fossil fuels such as oil, coal and natural gas.

#### **Did You Know...?**

The Great Barrier Reef in the Pacific Ocean can be seen from the Moon! It is one of the planet's richest ocean habitats and is home to more than 1,500 species of fish, 134 species of sharks and rays and more than 30 species of vulnerable marine mammals.



### **What Is Happening to Our Oceans?**

As a result of human action, our oceans are struggling to function as they should. Increasing levels of carbon dioxide in the ocean has led to an increase in the acidity in the ocean. Many sea creatures cannot adapt to this change and therefore die. Sea temperatures are rising with some areas of the ocean seeing a temperature rise of 2°C in the last one hundred years. This causes living things, such as coral, to die. Pollution is causing major damage to oceans. Oil spills from tankers, fertilisers from agriculture and litter from land all pollute our oceans. This pollution kills marine life and damages plant life. One of the other biggest problems facing the oceans of the world is overfishing. This means too many sea creatures are being caught in relation to the number that are born. Some species of sea creatures are in danger of becoming extinct because of it and the balance of the ocean is under threat.

### **World Oceans Day 2020**

Each year, World Oceans Day has a different theme. This year, the theme is 'Innovation for a Sustainable Ocean'. This year's theme focuses on ideas and innovations that will help protect the ocean and all life that depends on it. It will highlight technological advances, scientific research and ground-breaking projects that will help to protect the ocean and sustain it for the future. Scientists and environmentalists are trying to find innovative ways to remove the plastic and chemicals from our oceans. This is a huge task as our oceans are sadly littered with plastic which is dangerous for marine life. Other innovations include finding ways to reuse plastic to prevent it from ending up in the ocean. For example, in some countries, plastic is being used to make new products such as roads, clothes and even mattresses!

### **What Can We Do?**

Although large-scale innovations and improvements are needed to clean up the oceans, we can all play our part in caring for it. We can:

- reduce our carbon footprint by using the car less and walking or cycling more;
- use less plastic so it doesn't end up in the ocean and recycle more;
- go on organised beach cleans to collect and recycle plastic;
- and support charities and innovations that look after the oceans.

# Questions

1. How often does World Oceans Day happen? Tick one.

- once a month
- once a year
- once a week
- every day

2. In your own words, explain what the purpose of World Oceans Day is.

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3. Name the 5 oceans of the world.

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

4. **...many people consider them to be the lungs of our planet.**

What does this mean?

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5. What gas does the ocean absorb? Tick one.

- oxygen
- nitrogen
- hydrogen
- carbon dioxide

6. Find and copy one word which is similar in meaning to 'defenceless'.

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7. Describe **two** ways in which our oceans become polluted.

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8. Explain in your own words what the 2020 World Oceans Day theme, Innovation for a Sustained Ocean, means.

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9. According to the text, what is one way in which people can reduce their carbon footprint.

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### **SPaG Task**

For each of these sentences, add an extra information clause (parenthesis) in the spaces. Remember to mark the start and end of your parenthesis with **brackets, commas** or **dashes**. Vary your punctuation; don't use just one!

**Think of interesting information!**

e.g. My brother never brushes his hair! Becomes...

- My brother, who thinks he's really cool, never brushes his hair!    **OR**
- My brother - Jason - never brushes his hair!    **OR**
- My brother (the scruffiest boy in history) never brushes his hair!

#### Task 1

- 1) Simone \_\_\_\_\_ doesn't speak much English yet.
- 2) We were helping the caretaker \_\_\_\_\_ to carry all the chairs into the hall.
- 3) There aren't many apples left \_\_\_\_\_ because we used them to make a pie.
- 4) My dog \_\_\_\_\_ is a very curly labradoodle.

#### Task 2

Now write three sentences of your own. Each one should be a complex sentence and include a parenthetical piece of information. Remember to use brackets, dashes or commas.



