



Kelmscott School

Summer Holiday Projects

www.kelmscottschool.co.uk/year-7

This link will take you to the 'I've read Wonder further reading list'.



Dear Year 6 Student,

Welcome to Kelmscott School! We can't wait for you to start and begin your journey with us!

Today each of you have been given a copy of the fantastic book 'Wonder' by R.J.Palacio. It is really important that you read it over the summer as during your first weeks at Kelmscott you will be asked about the book.

We would love it if you shared some of the reading with your Parents or Carers too and talked over some of the interesting bits with them; there are lots!

As well as reading the book we want to set you some tasks to do based on the book and a Science project that will prepare you for September. This way you can really show us how brilliant you are and your new teachers will get to see it and really know what you're capable of from day one!

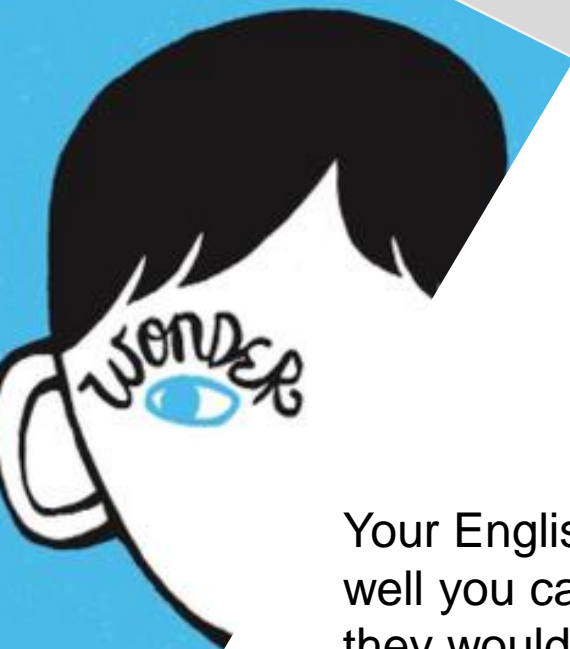
In order to give you the best chance to show off, we have a selection of tasks for you to complete. You should do both of the English tasks and all of the Maths and Science projects.

Remember to try your best on these and please do not get worried about the projects, we just want you to give them a go.

Most of all we want you to enjoy reading the book and be ready to discuss your thoughts with us in September!

Have a lovely summer.

Mr Howell, Head of Year 7
Mrs Shepherd
Ms Longman, Head of Literacy



English Project

Your English teachers are eager to see how well you can write and engage an audience so they would like you to complete the following two tasks:

1. Write a review of the book. We will also accept a book review of a novel on the 'I've finished Wonder' reading list. There are some great tips here on how to write a great review:

<https://www.booktrust.org.uk/books/writing-tips/writing-tips-for-teens/how-to-write-a-book-review/>

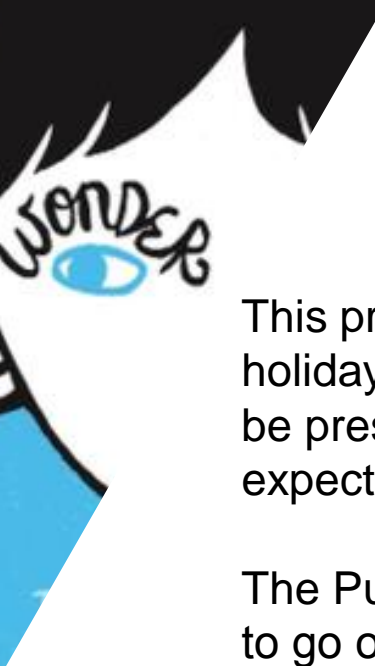
2. Write a speech to deliver to Year 7 about the importance of accepting others and treating everyone as equals. You can make reference to the novel in your writing. There are some good revision tips here on speech:

http://www.bbc.co.uk/bitesize/ks3/English/speaking_listening/speaking/revision/3/

Please make sure you do the following:

- Handwrite your response
- Reread to ensure you have corrected all spelling, punctuation and grammar errors
- Consider the type of vocabulary you use

You are expected to spend at least 1 hour completing the task



Maths Data Project

This project should be completed over your summer holiday for the start of the year. The final piece needs to be presented on ONE A4 side sheet of paper. You are expected to spend at least 1 hour completing the task.

The Pullman family from the Wonder novel are planning to go on a summer holiday but they can't agree where to go! Your job will be to research both destinations for the family. You will be presenting facts about the two destinations and coming up with your recommendation for the family. The holiday is for 7 nights from Monday 22nd August.

Things to be included in your project:

- Basic information about each city such as temperatures, rainfall, daylight hours, the city population, the currency.
- How far each destination is from New York, where the family live.
- An estimate for the cost of the holiday including hotel, flights and spending money for that week.
- Something interesting about the destination!
- Your recommendation by comparing the information you have researched to support your answer.

1) August (a.k.a Auggie) and his dad, Nate want to go to Rio de Janeiro, Brazil



2) Olivia and her mum, Isobel want to go to Rome, Italy

Science Project

Investigating Salt and Sugar

You should ASK PERMISSION before starting this investigation. Talk to your parents or carers about what you will need BEFORE carrying out the tasks.



As a scientist, you need to be able to:

a)Observe the world around you and ask questions.

Look at a teaspoon of salt and describe it using as many adjectives as possible.

Look at a teaspoon of sugar and describe it using as many adjectives as possible.

Now compare your descriptions about salt and sugar by using one colour to highlight the similarities and another to highlight the differences.

Write TWO questions that you think could test any further similarities or differences they may have, such as... 'What would happen if...?' or "Why does.... ?" or "Maybe I could...?"

1.

2.

As a scientist, you need to be able to:

b) Select appropriate scientific equipment that can be used to make precise measurements

This investigation is going to be based on the following question:
“Is salt or sugar easier to dissolve in water?”

1. Make a list of the equipment you think you will need to carry out this investigation.
2. When you are done, check the equipment list. Use a green pen to add any items you may have missed to your list. Are there any items that you have listed, but I haven't? Circle them with a purple pen.

As a scientist, you need to be able to:

c) Make predictions and conclusions for the result of an investigation.
Evaluate a step-by-step method to check that the investigation is a fair test and suggest improvements.

Equipment list

2 glasses (same size)
2 teaspoons
Water
Salt
Sugar

Method

1. Add water to both glasses, making sure that there is the same amount in each.
2. Label one glass as salt and another as sugar.
3. Add one teaspoon of salt to the water and stir until you cannot see it anymore.
4. Add another teaspoon of salt to the water and again till it dissolves.
5. Continue to add one teaspoon of salt and stir each time. You will know you have reached the maximum number that you can add, when you can see the salt, no matter how much you stir. Make a record of this number on the table.
6. Then use the glass labelled sugar to repeat steps 3-5 with sugar. Remember to record the maximum number of teaspoons till no more sugar dissolves.



Maximum number of teaspoons until no more dissolves

Salt	Sugar

Conclusion – Is salt or sugar easier to dissolve? How do you know?

Prediction – What did you think would have happened before doing the experiment?

1. Use one colour to highlight the parts of the method that you think made this investigation a fair test. HINT – there are at least TWO, but could be more!
2. Circle the independent variable (what we were changing)
3. Underline the dependent variable (what we were measuring)
4. This method was far from perfect. Suggest improvements to the method (try to think of three things)

If you want to challenge yourself, try this task...



Now you have practised a few scientific skills, you are going to plan and carry out your own investigation to find out the following:

“Does the temperature of water affect how much salt will dissolve?”

- Use the success criteria below, to plan and carry out your investigation
- Make an attempt at everything, even if you are not 100% sure!
- Choose three colours for a key then highlight each part of the success criteria to identify your level of confidence for each part.

Key

	This was challenging
	I felt comfortable with this
	This was really simple

Planning Variables		
<i>I can name the independent variable (what I will change)</i>	<i>I can name the unit used to measure the independent variable.</i>	<i>I can choose an appropriate range for the independent variable.</i>
<i>I can name the dependent variable (what I will measure)</i>	<i>I can name the unit used to measure the dependent variable.</i>	
<i>I can name one control variable to make it a fair test.</i>	<i>I can name two control variables to make it a fair test. I can name a control variable that will be difficult to control.</i>	<i>I can name three control variable to make it a fair test.</i>
Equipment and Method		
<i>I can list at least five of the equipment I will use.</i>	<i>I can list at least seven of the equipment I will use.</i>	<i>I can describe how precise the chosen equipment is.</i>
<i>I can write a step by step method that I can follow.</i>	<i>I have given my method to someone else to try.</i>	<i>I have given my method to someone else to try and they could follow it without asking me to explain anything.</i>

Be as creative as you would like. You could create a poster with pictures to illustrate how you carried out your investigation and present your results. Remember to record your results in a table so that we can discuss what you found out.

We look forward to seeing your work in September!