



CUDHAM
CE Primary School

Together, we Aim, Believe and Achieve.

Home Learning Project - Week 6 - Science

Years 3 and 4

Monday 6th July



Galileo Galilei

Click on any underlined words to follow the link to the website.

Reading: As this is Science week, you will be reading [George's Marvellous Medicine](#). Read Chapter 1- *Grandma*.

Draw a picture of Grandma and create a character profile of Grandma using the information provided in Chapter 1.

Writing: The universe is a big place. Have you ever wondered what lies beyond? Have you ever wanted to explore space? Have you heard of [Galileo Galilei](#)? Click on the link to find out more about this famous Scientist.

Task: Create a fact file using your findings about Galileo Galilei.

Maths: Spend some time on Times Table Rockstars - how many coins can you win today? Can you beat your records?

Visit [WHITE ROSE MATHS](#) and complete the learning video for today. Get some extra practice on [BBC bitesize](#) to become an expert!

In addition to the above this week, you can have a go at:

Year 3: Multiplying and dividing by 4 and 8, Multiplying and dividing 2 digit numbers by 1 digit numbers and solving multiplication and division problems. Watch the video first (Summer Term - Week 4 -w/c 11th May-Lesson 1) [Video](#) then have a go at completing the [Activities](#)

Year 4: Solving multiplication and division problems, working out the perimeter of rectangles and rectilinear shapes as well as counting the numbers of inside a shape to work out the area of shapes.. Watch the [Video](#) (Summer Term - Week 4 -w/c 11th May-Lesson 1) then have a go at the [Activities](#)

Topic: Would you like to explore the space? Well a telescope might be just what you'll need! Watch the video of how to create your own [telescope](#) using cardboard.

Task: Have a go at creating your own telescope. Be as creative as you can.

Tuesday 7th July

Reading: Read Chapter 2- *The Marvellous Plan*, Chapter 3- *George begins to make the medicine*, Chapter 4- *Animals pills*, Chapter 5- *The Cook Up*, Chapter 6- *The Brown Paint*.

Task: Do you think George should give the medicine to Grandma or not? Why? Why not?



Mae C. Jemison

Click on any underlined words to follow the link to the website.

Writing: Have you heard of Mae C. Jemison? Who do you think she might be? What could her job be? Research to find out more about her and her contributions to Science. You can watch the [clip](#) or [read](#) about Mae C. Jemison.

Task: Write a Biography using the information you've gathered.

Maths: Maths: Spend some time on Times Table Rockstars - how many coins can you win today? Can you beat your records?

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In addition to the above this week, you can have a go at:

Year 3: Multiplying and dividing by 4 and 8, Multiplying and dividing 2 digit numbers by 1 digit numbers and solving multiplication and division problems. Watch the video first (Summer Term - Week 4 -w/c 11th May- Lesson 2) [Video](#) then have a go at completing the [Activities](#)

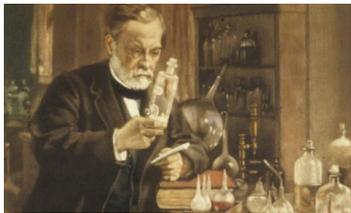
Year 4: Solving multiplication and division problems, working out the perimeter of rectangles and rectilinear shapes as well as counting the numbers of inside a shape to work out the area of shapes.. Watch the [Video](#) (Summer Term - Week 4 -w/c 11th May-Lesson 2) then have a go at the [Activities](#)

Topic: Mae C. Jemison is the first African-American female astronaut. In 1992, she became the first black woman in space as a crew member on the space ship Endeavour. Before entering the space program, she [was](#) a medical doctor who served with the Peace Corps in Sierra Leone and Liberia.

Task: Can you create your own rocket? Use the ideas from [here](#) to help you create your own rocket.

Make sure you have an adult to help with this activity.

Wednesday 8th July



Louis Pasteur

Reading: Can you predict what might happen to Grandma after she takes the medicine George has made for her? Read on to find out more- up to Chapter 10.

Task: Was your prediction correct? Summarise the changes in Grandma that happens after she takes George's medicine.

Writing: Have you ever imagined what will happen if you leave a slice of bread in a zip lock bag on the kitchen counter? That's right! Mould will grow. Do you know what's the scientific term for mould? Do you know what makes food go off after a while? Do you know who discovered that bacteria caused food to go off? [Read on](#) to find about the famous Scientist who made the discovery.

Task: Some microorganisms can be harmful and some can be helpful. Research and name some harmful and helpful microorganisms. Draw an example and explain how they can be harmful or helpful.

Maths: Maths: Spend some time on Times Table Rockstars - how many coins can you win today? Can you beat your records?

<p>Click on any underlined words to follow the link to the website.</p>	<p>Visit WHITE ROSE MATHS and complete the learning video for today. Get some extra practice on BBC bitesize to become an expert!</p> <p>In addition to the above this week, you can have a go at:</p> <p><u>Year 3:</u> Multiplying and dividing by 4 and 8, Multiplying and dividing 2 digit numbers by 1 digit numbers and solving multiplication and division problems. Watch the video first (Summer Term - Week 4 -w/c 11th May-Lesson 3) Video then have a go at completing the Activities</p> <p><u>Year 4:</u> Solving multiplication and division problems, working out the perimeter of rectangles and rectilinear shapes as well as counting the numbers of inside a shape to work out the area of shapes.. Watch the Video (Summer Term - Week 4 -w/c 11th May-Lesson 3) then have a go at the Activities</p> <p>Topic: Yeast is a microorganism that is used in bread to make it rise. When the yeast feeds on the dough, it produces gas which forms air bubbles in the bread. Yeast is put in bread and it eats the dough but what does yeast most like to eat? Is there anything else that yeast loves? Follow the steps in this experiment to find out.</p> <p>You will need: •6 plastic cups •Water •Measuring jug •Weighing scales •6 sachets of yeast (7g) •6 ziplock bags •20g salt •20g sugar •20g coffee •20g flour •20g rice •20g oil</p> <p>Method: <i>Step 1:</i> In a cup mix a sachet of yeast with 200ml of water. <i>Step 2:</i> Put the 20g of salt in a ziplock bag and mix well. Repeat step 1 and step 2 with the rest of the ingredients: sugar, coffee, flour, rice and oil. <i>Step 3:</i> Leave the bags for an hour or two then go back and look at how much air is in each of the bags.</p> <p>Conclusion: Whichever bag has the most air contains the food that yeast most likes to eat. The bag with the least air contains the food that yeast least likes to eat.</p> <p>Challenge: Try leaving it for 10 hours or more. Will the result change?</p>
<p>Thursday 9th July</p>	<p>Reading: Continue reading further to find out what George's family does to help Grandma.</p> <p>Task: Can you illustrate all the different changes that Grandma went through? E.g. Draw a picture to show her different transformations and write a sentence or two to explain why do you think that might have happened.</p> <p>Writing: Have you ever wondered how big the universe is? Is Earth the only habitable planet? Are there any life forms on other planets? Do you know which scientist is on a quest to find another Earth? Read on to find out more. After you've read, think about the many possibilities about what's out there.</p> <p>Task: Watch the video and create a presentation to show your understanding of what's in our universe.</p> <p>Maths: Maths: Spend some time on Times Table Rockstars - how many coins can you win today?</p>



Sara Seager

Click on any underlined words to follow the link to the website.

Can you beat your records?

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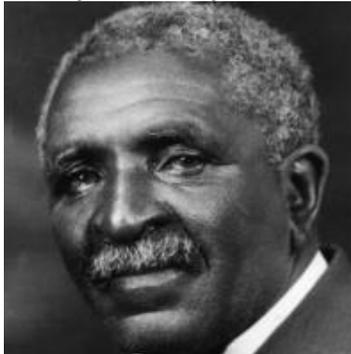
Year 4: Solving multiplication and division problems, working out the perimeter of rectangles and rectilinear shapes as well as counting the numbers of inside a shape to work out the area of shapes..

Watch the [Video](#) (Summer Term - Week 4 -w/c 11th May-Lesson 4) then have a go at the [Activities](#)

Topic: Sara Seager is an astrophysicist and planetary scientist at MIT. Professor Sara Seager's main research goal is to find Earth-like worlds. Do you think she will achieve her goal? Do you know which planets are in our solar system?

Task: Create a model of our solar system, to represent all the major planets in our solar system. You could use paper mache, collage, painting or any material you have available such as coloured paper, fabric, cardboard etc...

Friday 10th July



George Washington

Reading: Finish reading *George's Marvellous Medicine*. Did you enjoy the book? Would you recommend it to? Which age group is the book suitable for? Which part was your most favourite? Who was your most/least favourite character? Why?

Task: Write a book review after reading the book. Use the above questions as a guide to help you with your review. Here are some helpful [tips](#).

Writing: Have you heard of the 'peanut man'? Do you know who was the African American Scientist to have a national monument dedicated to him? Well [read](#) on to find out more about this famous mystery African American Scientist. You can find additional information [here](#).

Task: After reading the information, create a fact file using all the amazing facts you found out.

Maths: Spend some time on Times Table Rockstars - how many coins can you win today? Can you beat your records?

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In addition to the above this week, you can have a go at:

Carver

Click on any underlined words to follow the link to the website.

Year 3: Today you can a go at the [Challenge](#)

Year 4: Today you can have a go at the [Challenge](#)

Topic: George Washington invented over 300 uses for peanuts.

Task: Research some of the famous uses of peanuts. How many different ways can peanuts be used nowadays? Research and create a poster to present your findings.

Other helpful websites: