

## Maths

- This week's theme on [White Rose Maths](#) is angles. Have a look at the daily teaching videos and have a go at the activities.
- If you want to extend your learning even further check out the [BBC Bitesize daily activities](#)
- This week on TT Rockstars it is time for some slam down challenges. Choose your opponent, challenge them and see who can win! (Challenge Mr Robinshaw too!)
- Finally, check out [Oak Academy's online classroom](#) and maybe revise an area of maths that you aren't as confident with.

## Art and Design

Want to draw like a pro? Have a go at following this tutorial to draw Thor.

[https://www.youtube.com/watch?v=ofsWtXa\\_etl](https://www.youtube.com/watch?v=ofsWtXa_etl)



Once you have mastered that, could you use the same techniques to sketch another of the Norse Gods?



## Year 6

### Home Learning Project Week Beginning: 06.07.2020 Theme: Myths and Legends

If you have any work that you are really proud of, email it to [helen.clarke@danebank.tameside.sch.uk](mailto:helen.clarke@danebank.tameside.sch.uk) to show one of the teachers!

## Science

Thor's hammer is very heavy. So how on earth does he pick it up? Some people theorise that it has something to do with gravity. We are going to experiment with gravity this week to see if any of you have any hypothesis. First watch [this](#) then check out slide 4 for more instructions on your experiment. Finally, when you have conducted the experiment find out about the science behind it all [here](#), [here](#) and [here](#). Enjoy! (I can't wait to hear some of your hypothesis!)



## Transition

For those of you heading to DCC, they have put out some materials to help with transition. You can find it [here](#). More transition information from other schools can be found in the news section on the [Y6 page](#).

## English

Have a go at some of the activities on BBC Bitesize daily:

<https://www.bbc.co.uk/bitesize/tags/zncsscw/year-6-and-p7-lessons/1>

Brush up on your writing skills with these great English lessons from the Oak Academy.

<https://classroom.thenational.academy/subjects-by-year/year-6/subjects/english>

And don't forget you can access lots of free e-books on [Oxford Owl](#).

## History

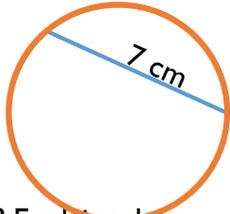
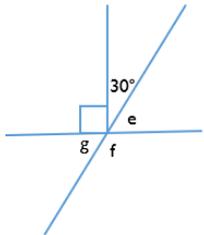
Norse Mythology comes from the Viking Times and is full of interesting stories and myths.

Read this [page](#) for some background information and watch this series of [short videos](#).

Can you create a profile for a Norse God of your choice? Research them thoroughly and see if you can find any mention of them from today (e.g. Thor is featured in the Marvel comics and is the reason we have Thursday (Thor's day)!)



Year 6  
**Home Learning Project – Maths**  
 Week Beginning: 06.07.2020

Monday	Tuesday	Wednesday	Thursday	Friday																		
<p>Alex says:</p> <div style="border: 1px solid blue; border-radius: 15px; padding: 5px; display: inline-block;">                     The bigger the radius of a circle, the bigger the diameter.                 </div>  <p>Do you agree? Explain your reasoning.</p>	<p>Three football teams each play 10 matches over a season. The mean number of goals scored by each team was 2. How many goals might the teams have scored in each match? How many solutions can you find?</p>	<p>If it takes 60 minutes for the minute hand to travel all the way around the clock, how many degrees does the minute hand travel in:</p> <ul style="list-style-type: none"> <li>• 7 minutes</li> <li>• 12 minutes</li> </ul>	<p>There are five equal angles around a point.</p> <p>What is the size of each angle?</p> <p>Explain how you know.</p>	<p>Four angles are at a point on a straight line. One angle is <math>81^\circ</math>.</p> <p>The other three angles are equal. What size are the other three angles?</p>																		
<p>Spot the mistake!</p> <p>Tommy has measured and labelled the diameter of the circle below. He thinks that the radius of this circle will be 3.5 cm.</p>  <p>Is Tommy right? Explain why.</p>	<p>Work out the age of each member of the family if:</p> <p>Mum is 48 years old.                      Teddy is 4 years older than Jack and 7 years older than Alex.</p> <table style="margin-left: 20px;"> <tr> <td>Mum</td> <td></td> <td rowspan="2">}</td> <td rowspan="2">Mean age of 50</td> </tr> <tr> <td>Dad</td> <td></td> </tr> <tr> <td>Teddy</td> <td></td> <td rowspan="3">}</td> <td rowspan="3">Mean age of 13</td> </tr> <tr> <td>Jack</td> <td></td> </tr> <tr> <td>Alex</td> <td></td> </tr> <tr> <td>Eva</td> <td></td> <td rowspan="2">}</td> <td rowspan="2">Mean age of 6</td> </tr> </table> <p>Calculate the mean age of the whole family.</p>	Mum		}	Mean age of 50	Dad		Teddy		}	Mean age of 13	Jack		Alex		Eva		}	Mean age of 6	<p>How many minutes have passed if the minute hand has moved <math>162^\circ</math>?</p> <p><b>Always, Sometimes, Never.</b></p> <p style="text-align: center;">                 W to S = 90 degrees                  NE to SW = 180 degrees                  E to SE in a clockwise direction <math>&gt; 90^\circ</math> </p>	<p>Amir says that angle g is equal to <math>30^\circ</math> because vertically opposite angles are equal.</p> <p>Do you agree? Explain your answer.</p> <p>Find the size of all missing angles.</p> <p>Is there more than one way to find the size of each angle?</p> 	<p>Draw a diagram to prove your answer.</p> <p>Eva has drawn a scalene triangle. Angle A is the biggest angle. Angle B is <math>20^\circ</math> larger than angle C. Angle C is the smallest angle, and it is <math>70^\circ</math> smaller than angle A.</p> <p>Use a bar model to help you calculate the size of each angle, then construct Eva's triangle. Is there more than one way to construct the triangle?</p>
Mum		}	Mean age of 50																			
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Year 6  
**Home Learning Project – English**  
 Week Beginning: 06.07.2020

Monday	Tuesday	Wednesday	Thursday	Friday
<a href="#">Lesson 1</a>	<a href="#">Lesson 2</a>	<a href="#">Lesson 3</a>	<a href="#">Lesson 4</a>	<a href="#">Lesson 5</a>
<b>Read the <a href="#">lyrics</a></b> <b>Now listen to the <a href="#">song</a></b>		<b>Read the <a href="#">lyrics</a></b> <b>Now listen to the <a href="#">song</a></b>		
<p>Check that you know the meaning of these words using a dictionary:            A <u>tide</u> that is taking me under.            When they try to <u>suffocate</u> me.            Don't you <u>underestimate</u> me.            Old and <u>unbending</u></p> <p>Find:            Four lyrics where water/weather are used as imagery.            All words/phrases synonymous with or alluding to speechlessness.</p>	<p>What do you think this song is about? What message do you think it is trying to send?</p> <p>Summarise the meaning of this song in one sentence.            Then, summarise the meaning in one word and explain why you chose that word.</p>	<p>What do you think this song is about?            What message is it trying to send?</p> <p>Choose one word to describe the singer of this song.            Explain why you have chosen this word using evidence from the lyrics.</p> <p><i>"Everyone deserves the chance to fly!"</i>            What do you think this line means?            Do you agree with it?</p>	<p>Find as many examples of questions as you can in this song.            What do the questions tell you about the person singing it?</p> <p><i>'I've learned to slam on the brakes, before I even turn the key'</i>            What do you think this lyric means?            Do you think it can be a good outlook to have?</p> <p><i>'When you're falling in a forest and there's nobody around, do you ever really crash or even make a sound?'</i>            What do you think this means? Do you think there's a right answer to it?</p> <p>How might this song resonate with characters in books you've read or in shows you've watched?            Does it resonate with you on any level?</p>	<p>Following on from all you have learnt about newspaper reports this week, can you now link this and apply it to your own piece of writing. Create a newspaper report bade around one of the Norse Myths that you read/listened to as part of your History work. Think about the key events, who was there and how you are going to report it.</p>

A Greek philosopher called Aristotle claimed heavy items would always fall to the ground before light items because of their mass. The heavier an item, the quicker it would fall. Despite Aristotle never actually conducting an experiment to prove his hypothesis, most people believed that this was the case.

However, a wise man called Galileo wanted to test Aristotle's theory. Can you help Galileo design and conduct an experiment to test Aristotle's theory?

Galileo is at the top of the Leaning Tower of Pisa, meet him there.



Think about:

What do I want to find out?  
What experiment could you design to help Galileo find out whether Aristotle was correct or incorrect?

What will your experiment measure?

What do you think will happen? **Make a prediction**

What will you ensure stays the same during the tests? **Make sure your test is fair**

What will you change each time? **Decide on one variable to change**

This table might help organise your findings!

<u>Heavier item</u>	<u>Lighter item</u>	<u>Which landed first?</u>

Can you explain what happened?

What did you find out?

Was your prediction correct?

Why do you think this happened?

