



## Autumn 2 Learning Overview: What colour is light?



<b>English</b>	<b>Maths</b>	<b>History</b>	<b>PE</b>	<b>Promoting Great British Values</b>
Our themes for this term will be based on biographies. We will be finding out about the brilliant lives of so many famous people including Walt Disney.	Our topics this half term will be continuing shape (looking at angles in shapes as well as recapping 2D and 3D shape names), learning about division and multiplication as well as starting fractions.	The main focus of our topic will be History. We will be learning about censuses and how they have been used in history to record population.  <b>Key vocabulary:</b> population, census, enumerator, observation, comparison	This term our PE sessions will take place on Monday and Tuesday afternoon. Please can you make sure that any earrings and jewellery are taken out before school as we are unable to do this.	We will be covering British values throughout our topic, focusing on democracy, individual liberty, rule of law, tolerance and mutual respect.
<b>PSHE and SMSC</b>	<b>RE</b>	<b>Science</b>	<b>Big Writes</b>	<b>Computing</b>
This term's focus is 'Relationships'. We will look at managing our emotions and feelings. We will be looking at the rule of law within our classroom and within British values.	In RE this term we will be looking at the religion of Hinduism. We will be visited by a Hindu Dharma follower who will be teaching us all about her traditions. We will also be looking at how this faith answers our year long question; is life like a journey?	Our Science focus this half term is light and reflection. We will be learning about sources of light, reflection of light and explaining shadows.	Our extended writing will take place every week. There will also be cross-curricular write opportunities regularly.	This half term, we will be learning about 3D modelling — how digital objects are designed, created, and visualised on a computer. We will look at how 2D shapes can be combined and transformed into 3D designs using modelling software. We will be adjusting size, position, and rotation, and to use digital tools to add texture and colour.
<b>DT</b>	<b>Music</b>			
This half term, we will be exploring 3D modelling and design by creating their own navigational systems for travellers. Using digital design software, pupils will develop and refined 3D prototypes before printing them using a 3D printer.	This half term children will be developing their musical confidence and creativity by performing rhythms independently and in groups, keeping a steady pulse, and singing with control. They will learn to identify and describe instruments within the orchestra, match sounds to art pieces, and accurately read, copy, and draw rhythms.			



# Vocabulary Mat



Please use this vocabulary mat to help your child learn the new vocabulary they need to support them in their current topic.

## Year 6 Autumn 2- What colour is light?

<u>Science:</u>		<u>English:</u>		<u>Maths:</u>	
<p>Translucent- Lets some light through - blurry.</p> <p>Transparent- Lets all light through - you can see clearly.</p> <p>Opaque- Doesn't let any light through.</p> <p>Refraction- When light bends as it passes through something (like water or glass).</p>	<p>Reflection- When light bounces off a surface.</p> <p>Light source- something that gives out light (e.g. Sun, torch)</p>	<p>Formal language- Polite and professional writing style.</p> <p>Legacy- What a person is remembered for after they die.</p> <p>Influence- To have an effect on someone's life or choices.</p>	<p>Biography- A text that tells the life story of a real person.</p> <p>Autobiography- A life story written by the person themselves.</p> <p>Significant- Important or meaningful.</p>	<p>Numerator- The top number in a fraction - how many parts you have.</p> <p>Denominator- The bottom number in a fraction - how many equal parts the whole is divided into.</p> <p>Simplify - To make a fraction smaller but keep its value the same.</p>	<p>Quotient - The answer to a division problem.</p> <p>Product- the answer to a multiplication problem.</p> <p>Equivalent fractions- Fractions that mean the same amount.</p>
<u>History</u>		<u>RE:</u>		<u>Computing and DT</u>	
<p>Source- Evidence that helps us learn about the past.</p> <p>Victorian- The period when Queen Victoria ruled Britain (1837–1901).</p>	<p>Census- A count of people and their information (jobs, age, etc.).</p> <p>Data- Information collected for study or record.</p>	<p>Mandir- A Hindu place of worship (temple).</p> <p>Sacred- Something holy or very special in a religion.</p>	<p>Deity- a god or goddess</p> <p>Karma- The belief that good and bad actions affect your future.</p> <p>Reincarnation- The belief in being born again after death.</p>	<p>Print (3D)- To create a physical object from a 3D digital design.</p> <p>Scale- The size of a model compared to the real object.</p> <p>Render- To produce a realistic image of a 3D model.</p>	<p>Shape- The outline or form of an object.</p> <p>3D model- A design that shows an object in three dimensions (height, width, depth).</p> <p>Prototype- A first version of a design used for testing.</p>



# Autumn 1 Homework



Parental support and partnership with school is paramount now more than ever before. We are asking you to support your child with regular, quality learning at home.

	w.c. 3 <sup>rd</sup> Nov	w.c. 10 <sup>th</sup> Nov	w.c. 17 <sup>th</sup> Nov	w.c. 24 <sup>th</sup> Nov	w.c 1 <sup>st</sup> Dec	w.c. 8 <sup>th</sup> Dec	w.c. 15 <sup>th</sup> Dec
<b>Reading</b>	We will now be changing our books most days. It is an expectation that your child will read at least 3 times a week. Please log your child's reading at home in our new Reading Record books. Ask your child all about our exciting StarBOOKS reading challenge and how they can earn a fabulous treat for reading at home.						
<b>Math-letics</b>	Complete the set task for each week that will be available on the Mathletics online platform.						
<b>TTRock stars</b>	Practise the times tables given to you on your TT Target!						
<b>Spellings</b>	<b>Challenge words</b>  appreciate, communicate, definite, exaggerate, harass, marvellous, persuade, relevant, stomach, vehicle	<b>Words with an /oa/ sound spelled 'ou' or 'ow'</b>  blown, known, mould, poultry, shallow, shoulder, smoulder, soul, thrown, window	<b>Words with a 'soft c' spelled 'ce'</b>  celebrate, cemetery, certificate, deceased, December, hindrance, necessary, nuisance, prejudice, sacrifice	<b>Challenge words</b>  apparent, committee, curiosity, especially, guarantee, lightning, parliament, recommend, soldier, vegetable	<b>Words with the /f/ sound spelled 'ph'</b>  alphabet, elephant, dolphin, graph, pamphlet, pheasant, phone, photo, physical, sphere	<b>Challenge words</b>  according, awkward, conscious, dictionary, familiar, individual, neighbour, profession, sacrifice, system	
<b>Challenge</b>	<b>Maths</b>  Short multiplication	<b>Maths</b>  Short division	<b>Maths</b>  Short multiplication	<b>Maths</b>  Short division	<b>Maths</b>  Square and Cube numbers	<b>Maths</b>  Add and subtract fractions	