## **Year 3: Brilliant Light**

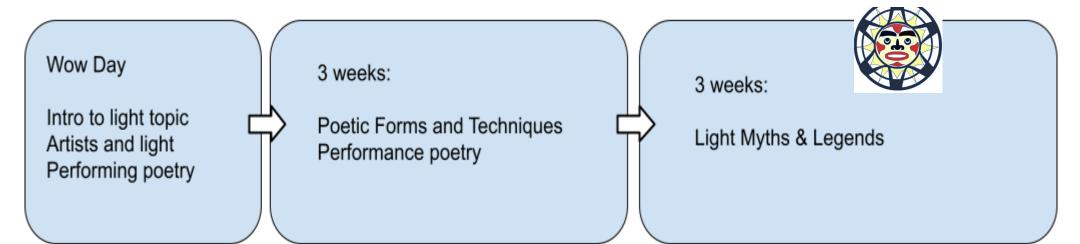
## **Essential Learning**

## By the end of this term, you will have learned...

- about the need for light in order to see things and that dark is the absence of light
- that light is reflected from surfaces
- that light from the sun can be dangerous and that there are ways to protect their eyes
- about how shadows are formed when the light from a light source is blocked by an opaque object
- about patterns in the way that the size of shadows change.
- to create sketch books to record their observations and use them to review and revisit ideas
- to improve their mastery of art and design techniques, including drawing and colour mixing when using paint
- about great artists, especially painters and photographers
- to evaluate how language, structure, and presentation contribute to meaning
- to recognise some different forms of poetry
- to prepare poems to read aloud and to perform, thinking carefully about intonation, tone, volume and action
- become familiar with, and take inspiration from, a range of myths and legends.
- how to keep safe in the sun, and why
- some of the skills of friendship and roles and responsibilities of family members
- how some of the actions and work of people around the world help and influence my life
- how certain needs and rights are shared by children around the world







## **Year 3: Brilliant Light / National Curriculum Links**

Science	PSHE
<ul> <li>recognise that they need light in order to see things and that dark is the absence of light</li> <li>notice that light is reflected from surfaces</li> <li>recognise that light from the sun can be dangerous and that there are ways to protect their eyes</li> <li>recognise that shadows are formed when the light from a light source is blocked by an opaque object</li> <li>find patterns in the way that the size of shadows change.</li> </ul>	<ul> <li>identify the roles and responsibilities of each member of my family and can reflect on the expectations for males and females</li> <li>identify and put into practice some of the skills of friendship e.g. Taking turns, being a good listener</li> <li>know and can use some strategies for keeping myself safe</li> <li>explain how some of the actions and work of people around the world help and influence my life</li> <li>understand how my needs and rights are shared by children around the world and can identify how our lives may be different</li> <li>know how to express my appreciation to my friends and family</li> </ul>
Art	Spelling, Grammar & Punctuation
<ul> <li>create sketch books to record their observations and use them to review and revisit ideas</li> <li>improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]</li> <li>about great artists, architects and designers in history</li> </ul>	<ul> <li>write from memory simple sentences, dictated by the teacher, that include words and punctuation taught so far</li> <li>draft and write by composing and rehearsing simple sentence structures orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures</li> <li>evaluate and edit by beginning to propose changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences</li> <li>use a wider range of conjunctions, including when, if, because, although</li> <li>use inverted commas to punctuate direct speech.</li> <li>use the forms a or an according to whether the next word begins with a consonant or a vowel [for example, a rock, an open box]</li> <li>use the present perfect form of verbs in contrast to the past tense</li> <li>extend the range of sentences with more than one clause by using a wider range of conjunctions, including when, if, because, although</li> <li>understand and use paragraphs as a way to group related material; explaining the need to start a new paragraph</li> </ul>
Geography	Key science vocabulary:
<ul> <li>identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)</li> </ul>	light darkshadowmirrorbrightdimreflectioneyeopaquetransparenttranslucentinfrared ultravioletraybeamabsorbluminoustravelsblockdirectionsource
Key Writing genres	Key Maths Topics
<ul><li>Poetry</li><li>Myths &amp; Legends</li></ul>	<ul> <li>Division methods and inverse operations</li> <li>Fractions of a set of objects</li> <li>Equivalent fractions</li> <li>Comparing &amp; ordering fractions</li> <li>Adding &amp; Subtracting fractions</li> <li>Measuring time in seconds</li> <li>Problem solving with time</li> <li>Statistics: pictograms, bar charts and data tables</li> <li>Geometry</li> </ul>