



TSS Primary Science MTP 2021-2022

Year 2 Block 5 – Light and Dark

Key Targets and Learning Objectives		Key Activities	Key Vocabulary
<ul style="list-style-type: none"> • To identify and differentiate between natural and artificial light sources • To know some objects are reflectors of light. • To know we can see the moon at night because it reflects the sun's light. • To know that dark is an absence of light. • To know that only light sources can be seen when it is dark • To know how shadows are formed and discover how distance and angle of light impact shadows • Make observations and simple comparisons of materials • Learn that some materials let light through 		<ul style="list-style-type: none"> • Investigate light sources within our school and homes and compare them to natural light sources within our environment • Predict and test multiple reflective and non reflective objects • Experience darkness and investigate which objects are visible in the absence of light • Create shadow puppets and experiment with distance and angle change the puppets form • Observe which objects allow light through using a torch and comparing different materials 	<ul style="list-style-type: none"> • Light source • Reflect • Reflector • Opacity • Transparent • Model • Opaque • Translucent • Transparent
Working Scientifically:	Going Green Link:	Integration of technology:	
<ul style="list-style-type: none"> • Observe closely, using simple equipment. • Gather and record data to help answer questions. (tables, photos and diagrams) • Predict and test predictions 	<ul style="list-style-type: none"> • Explore using reflective surfaces to save electricity • Explore how limiting light can save electricity in summer 	<ul style="list-style-type: none"> • Can use artificial light sources to create shadow puppets • Use of the internet to research how to build a model 	