

Spring Term							
		<p>LAUNCH DT rocket project</p> <p>LANDING</p> <p>*Add into the weeks below when you're doing RSE, Esafety and any other stand alones. Ensure PSHE activities are made explicit on the planning, where there are links. **Ensure all subject objectives are considered, where there are links. (MFL, music, DT, art, PE, history, geography, science...)</p>					
Week/date	Objectives covered by doing the Creative Curriculum activity	Creative Curriculum Activity	British Values/Christian Values link	Subject language/vocab	Trip or visitor	Subject Links	Linked text
8.1.18	<p>DT Evaluate DT2/1.3a investigate and analyse a range of existing products DT2/1.3c understand how key events and individuals in design and technology have helped shape the world.</p>	<p>How are rockets made?</p> <p>Be able to say what DT problem I am trying to solve and why?</p> <p>Find out about existing space vehicles, there design and how they have played an important role in our everyday lives.</p> <p>Write quiz questions to show what I have found out about space vehicle design.</p>	<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>	<p>Earth Planets Pollution Occupant Protection Atmosphere</p>		<p>Reading – non-fiction retrieval</p>	<p>'Trash' by Andy Mulligan</p>

9.1.18	<p>DT2/1.1 Design DT2/1.1b generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design</p> <p>Evaluate DT2/1.3b evaluate their ideas and products against their own design criteria and consider the views of others to improve their work</p>	<p>Select appropriate materials for building a space vehicle.</p> <p>Create a labelled and annotated design (with different views, which clearly explains how the vehicle is made.</p> <p>Share designs and make improvements.</p> <p>(ex) Write instructions</p>	<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>	<p>Exploded diagrams. Annotation Evaluations. Recycled Fragile</p>			‘Trash’ by Andy Mulligan
10.1.18	<p>DT Make DT2/1.2a select from and use a wider range of tools and equipment to perform practical tasks accurately DT2/1.2b select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities</p>	<p>Use chosen materials to make the space vehicle.</p> <p>Make strong attachment between parts.</p> <p>Make alterations to the design when necessary.</p> <p>(ex) add aesthetic designs (make it look good)</p>	<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>	<p>Materials Aesthetic Alterations Attachments Occupant Protection Improvements</p>			‘Trash’ by Andy Mulligan
11.1.18	<p>DT Evaluate DT2/1.3b evaluate their ideas and products against</p>	<p>Test the space vehicle.</p> <p>Evaluate how well the</p>	<p>Mutual Respect Individual Liberty Democracy</p>	<p>Evaluation Improvements specific</p>			‘Trash’ by Andy Mulligan

	their own design criteria and consider the views of others to improve their work	design met the design brief. Based on evaluations, make improvements to the design.	<p>Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>				
<p>Wednesday 16th January HE RA, Thursday 17th January AK</p>	<p>History Hi2/2.2 Extended chronological study Pupils should be taught a study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066</p>	<p>Put the events from space history in chronological order.</p> <p>Use what I have learnt from the space timeline to Write a paragraph about <i>Who has visited space and why?</i></p> <p><i>Use the information they have found out about to write paragraphs to answer Have people slept on other planets? And Why you must wear your spacesuits?</i></p>	<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>	<p>Astronauts Exploration International Space Station Chronological Oxygen</p>			<p>'Trash' by Andy Mulligan</p>
<p>Friday 18th January</p>	<p>Science Sc6/2.2a identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood</p>	<p>Follow the arrows on the 'Circulation Game', colouring the oxygenated blood red (carried away from the lungs, into the heart and to the body cells) and the deoxygenated</p>	<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance</p>	<p>Oxygen Gases Atmosphere dense Concentrated Oxygenated</p>			<p>'Trash' by Andy Mulligan</p>

		<p>blood, containing carbon dioxide, (carried from the body cells, into the heart and back to the lungs) blue.</p> <p>Complete the final section of their leaflet from last session (Why do people need to wear an oxygen mask?)</p>	<p>Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>	<p>blood Air vents Cells Carbon dioxide Deoxygenated blood Lungs Heart Circulation</p>			
<p>Wednesday 23rd January HE RA, Thursday 24th January AK</p>	<p>Science Sc6/2.2a identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood</p> <p>Art Ar2/1.1 to create sketch books to record their observations and use them to review and revisit ideas</p> <p>Ar2/1.2 to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials</p>	<p>Be able to name the different cells that make blood and describe what important job each does for the survival of the body.</p> <p>Use oil pastels, sketching pencils and watercolour pencils to create shape and shading to draw the different blood cells.</p>	<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>	<p>Circulatory Blood vessels Veins Arteries Capillaries Transported Microscopic blood vessels Nutrients Components of blood Survival Shading Depth</p>			<p>'Trash' by Andy Mulligan</p>
<p>Friday 25th January</p>	<p>Earth and Space Sc5/4.1a describe the movement of the Earth, and other planets, relative to the Sun in the solar system</p>	<p>Draw what I think Earth, the sun and the moon look like in relation to one another.</p> <p>After watching videos, redraw the above.</p>	<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance</p>	<p>Protected Atmosphere Diagrams Investigate Orbit Scale</p>			<p>'Trash' by Andy Mulligan</p>

	Sc5/4.1c describe the Sun, Earth and Moon as approximately spherical bodies	Create a mnemonic to remember the order of the planets in the Solar System. In groups create a fact-file about a given planet.	Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion	Solar System Mnemonics			
Wednesday 30th January HE RA, Thursday 31st January AK	Earth and Space Sc5/4.1a describe the movement of the Earth, and other planets, relative to the Sun in the solar system Sc5/4.1c describe the Sun, Earth and Moon as approximately spherical bodies Sc5/4.1d use the idea of the Earth's rotation to explain day and night, and the apparent movement of the sun across the sky. Light Sc6/4.1a recognise that light appears to travel in straight lines	Work with the rest of the class to demonstrate how the Earth spinning on its axis creates day and night. Draw what I would be able to see on Earth as it spins over 24 hours to face towards and away from the sun.	Mutual Respect Individual Liberty Democracy Rule of Law Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion	Axis Pole Globe Sunrise Mid-day Sunset Midnight Rotation		Maths - time	'Trash' by Andy Mulligan
Friday 1st February	Light Sc6/4.1c explain that we	Identify sources of light and reflectors of light.	Mutual Respect Individual Liberty	Light sources Reflective			'Trash' by Andy

	<p>see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes</p> <p>Sc6/4.1d use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them</p>	<p>Draw a diagram to show how we see objects.</p> <p>Demonstrate and explain how shadows are formed.</p> <p>Investigate how the position of a light source, such as the sun, impacts the shadow of an object that is created.</p> <p>Record the aim, prediction, results and conclusion on an A3 sheet.</p>	<p>Democracy Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>	<p>Reflectors Phosphors Radiate Exposure Luminescence Shadows</p>			Mulligan
<p>Wednesday 6th February HE RA, Thursday 7th February AK</p>	<p>Art Ar2/1.1 to create sketch books to record their observations and use them to review and revisit ideas</p> <p>Ar2/1.2 to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials</p>	<p>Explain what life is like on the ISS.</p> <p>Say why the views of Earth from the ISS are constantly changing.</p> <p>Create images of the views of Earth that can be seen from the ISS.</p>	<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>	<p>Time lapse Rotation</p>			'Trash' by Andy Mulligan
<p>Friday 8th February</p>	<p>Earth and Space Sc5/4.1b describe the movement of the Moon relative to the Earth</p>	<p>Know, by heart, a song that explains the movement of the moon in relation to Earth.</p>	<p>Mutual Respect Individual Liberty Democracy Rule of Law</p>	<p>Phases of the moon Orbit Spherical</p>		<p>Maths – 3D shapes</p>	'Trash' by Andy Mulligan

	<p>Light Sc6/4.1b use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye</p>	<p>Demonstrate with models how the moon move in relation to the Earth.</p> <p>Draw a diagram to show the phase of the moon.</p>	<p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>	<p>Crescent New moon</p>			
<p>Wednesday 13th February HE RA, Thursday 14th February AK</p>	<p>Art Ar2/1.1 to create sketch books to record their observations and use them to review and revisit ideas</p> <p>Ar2/1.2 to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials</p>	<p>Use sketching pencils and shading techniques to recreate the patterns on images of the moon.</p>	<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>	<p>Phases of the moon Orbit Spherical Crescent New moon</p>			<p>'Trash' by Andy Mulligan</p>
<p>Friday 15th February</p>	<p>Forces Sc5/4.2a explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</p>	<p>Describe the forces that act on a toy car after being pushed.</p> <p>Explain to the class how the gravity on different planets might impact every day activities.</p>	<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance Koinonia</p>	<p>Gravity Force Push Pull Friction Isaac Newton Dwarf planet</p>			<p>'Trash' by Andy Mulligan</p>

			Trust Hope Friendship Peace Forgiveness Thankfulness Compassion	Gravitational pull			
Half Term							
Wednesday 27th February HE RA, Thursday 28th February AK	Geography Locational Knowledge Ge2/1.1a locate the world's countries, using maps to focus on Europe (including the location of Russia) and North and South America, concentrating on their environmental regions, key physical and human characteristics, countries, and major cities Geographical Skills and Fieldwork Ge2/1.4a use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied	Name the continents and oceans of Earth. Use atlases to find out which countries belong to each continent. Use atlases to work out how continents differ from each other.	Mutual Respect Individual Liberty Democracy Rule of Law Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion				'Trash' by Andy Mulligan
Friday 1st March	Ge2/1.1c identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern		Mutual Respect Individual Liberty Democracy Rule of Law				'Trash' by Andy Mulligan

	Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night)		<p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>				
<p>Wednesday 6th March HE RA, Thursday 7th March AK</p>			<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>				'Trash' by Andy Mulligan
<p>Friday 8th March</p>			<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance Koinonia Trust</p>				'Trash' by Andy Mulligan

			Hope Friendship Peace Forgiveness Thankfulness Compassion				
Wednesday 13th March HE RA, Thursday 14th March AK			Mutual Respect Individual Liberty Democracy Rule of Law Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion				'Trash' by Andy Mulligan
Friday 15th March			Mutual Respect Individual Liberty Democracy Rule of Law Endurance Koinonia Trust Hope Friendship Peace				'Trash' by Andy Mulligan

			Forgiveness Thankfulness Compassion				
Wednesday 20th March HE RA, Thursday 21st March AK			Mutual Respect Individual Liberty Democracy Rule of Law Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion				'Trash' by Andy Mulligan
Friday 22nd March			Mutual Respect Individual Liberty Democracy Rule of Law Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion				'Trash' by Andy Mulligan

Wednesday 27th March HE RA, Thursday 28th March AK			Mutual Respect Individual Liberty Democracy Rule of Law Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion				'Trash' by Andy Mulligan
Friday 29th March			Mutual Respect Individual Liberty Democracy Rule of Law Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion				'Trash' by Andy Mulligan
Wednesday 3rd April HE			Mutual Respect Individual Liberty				'Trash' by Andy

<p>RA, Thursday 4th April AK</p>			<p>Democracy Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>				<p>Mulligan</p>
<p>Friday 5th April</p>			<p>Mutual Respect Individual Liberty Democracy Rule of Law</p> <p>Endurance Koinonia Trust Hope Friendship Peace Forgiveness Thankfulness Compassion</p>				<p>'Trash' by Andy Mulligan</p>