





Medium Term Planning

Term: Spring 1

Year: 2

At Western, we aim to develop kind, ambitious, curious, confident and successful young people who are excited about their futures.

Curriculum Drivers			
Use of technology 	The Natural World 	Diversity 	Values Health and Well-being 
Topic Name: Spring 1 Exploration			
Key Question: Could I survive an expedition?			
English		Maths	
The Sea of Tranquillity Story writing Week 1: Journaling – My Dreams Week 2: Beginning of story – introduction of ambition (Character description) Week 3: Middle of story – what I need to do to get there? Week 4: End of story – Have I achieved my goal? Week 5: Publish		Week 1: Multiplication and division Week 2: Multiplication and division Week 3: Multiplication and division Week 4: Multiplication and division Week 5: Length and Height	
Science		History	
Uses of Everyday Materials <ul style="list-style-type: none"> Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching. Week 1: Is it waterproof? Week 2: Is it strong? Week 3: Is it flexible? Week 4: Is it transparent? Week 5: Is it suitable for a moon buggy?		Historical Enquiry <ul style="list-style-type: none"> Explain the passage of time and timelines in terms of weeks, years, decades linked to historical figures and events studied. Know who Tim Peake is and why he is significant and compare with Neil Armstrong. Know who Ann Bancroft is and why she is significant. 	
Geography		PSHE	
Locational Knowledge <ul style="list-style-type: none"> Know the names of the continents and oceans of the world and locate them on a map/globe. Know that a continent is a very large 'piece' of the world or globe. Know the names of the seas around the U.K. Be able to locate the 4 countries of the UK. 		Safety and the Changing Body Week 1: Introduction to the internet Week 2: Communicating online Week 3: Secrets and surprises Week 4: Appropriate contact – my private parts Week 5: Appropriate contact – my private parts are private	

Ambition Collaboration Curiosity Reflection Resilient Resourceful

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<p>Human and Physical Geography</p> <ul style="list-style-type: none"> • Know that an ocean is a very large body of water. • Describe some human and physical characteristics in the local area. • Know that it is warmer near the Equator and colder as you get nearer to the poles. • Know what is meant by 'Equator' and polar regions. 	
RE	PE
<p>Who is Jewish and what do they believe?</p> <ul style="list-style-type: none"> • Begin to know Jewish beliefs and say why a mezuzah acts as a reminder of God. • Know about the significance of Shabbat and how it is celebrated. • Know and retell stories from the Quran. • Know some ways Jewish people celebrate Passover and why it is important. 	<p>Sporting Influence: Dance</p> <ul style="list-style-type: none"> • Know how to perform dances and routines using simple movement patterns. • Know that exercise can increase breathing and heart rate and that this is good for you.
Art	Design Technology
<p>N/A</p>	<p>Mechanisms – Moon Buggies</p> <p><u>Designing</u></p> <ul style="list-style-type: none"> • Use personal experiences to create initial ideas and simple design criteria through discussions with peers and drawings in sketch books/mock-ups. <p><u>Making</u></p> <ul style="list-style-type: none"> • Select from and safely use a range of tools and equipment to perform practical tasks. E.g. cutting and joining to allow movement and finishing. Choose from a range of materials and components e.g. paper, card, plastic, wood etc according to their characteristics. <p><u>Evaluating</u></p> <ul style="list-style-type: none"> • Evaluate a range of products with wheels and axles. How do they move? Is this an effective way for your model? What could be improved? Compare ideas against original criteria. <p><u>Technical knowledge and understanding</u></p> <ul style="list-style-type: none"> • Explore and use wheels, axles and axle holders. Distinguish between fixed and freely moving axles. Know and use technical vocabulary relevant to the project.

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Computing

<p>Programming a robot: Algorithms – Spheros</p> <ul style="list-style-type: none"> • Week 1: Giving instructions • Week 2: Same but different • Week 3: Making predictions • Week 4: Maps and routes • Week 5 – Algorithm design • Week 6 – Debugging 	<p>Computing Legend: Charles Babbage</p> <ul style="list-style-type: none"> • Know how algorithms are used on different devices and machines. • Know that debugging means solving a problem. • Know what an IF statement is. • Know how to use technology safely and respectfully.
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<p>Key Texts</p>	<p>Launch Event</p>
<ul style="list-style-type: none"> - The Sea of Tranquillity - How to Survive Anywhere - The Marvellous Moon Map - Counting on Katherine 	<ul style="list-style-type: none"> - WonderDome (Wednesday 17th January 8:30 – 12:00)
<p>Trips, Events & Visitors</p>	<p>Whole School Events</p>
<ul style="list-style-type: none"> - Valley Gardens - Space Talk – Leo Teeney (24th Jan) - 2nd Feb – Stay and Read 8:45 – 9:15 	<ul style="list-style-type: none"> - NSPCC Number Day (2nd January)
<p>Significant Individuals</p>	<p>Characteristics of Learning</p>
<ul style="list-style-type: none"> - Tim Peake - Ann Bancroft 	<p>Resilience</p>