

# Presteigne Primary Topic Web

## Digital Competence

Digital Citizenship days  
 Photo metadata – endangered animals  
 Lego WeDo coding – flood defences  
 Sphero coding – planet orbits  
 Python coding – message to the International Space Station  
 Drone coding – following the Amazon

## Numeracy

**Shackleton's Journey** – rations of food for crew members  
 Budgeting – packing for an Antarctic exploration  
 Blubber gloves investigation – temperature  
 Area and perimeter calculations relating to flooding  
**Curiosity – The Story of the Mars Rover** – making moon buggies – measuring  
 Timelines – the history of the space race – scale  
 Landing buggies on a planet with parachute – timing  
 Pattern seeking planets investigation – comparison of numbers of any size  
 Line graphs of mountains/shadows on the Moon  
**Journey to the River Sea**  
 Comparison of the Amazon with a river in Wales – data  
 Comparison of weather and climate data – reading graphs, measuring temperature  
 Map making – grid references  
**RE** – Malala's journey, calculating distances

**Ambitious, capable learners**

**Enterprising, creative contributors**

## Wow factor/rich tasks:

**Wow starter** – Shackleton theme day  
**Rich tasks** –  
 Shackleton's Journey - Antarctic exploration  
 Malala's Journey to Freedom  
 Curiosity – The Story of the Mars Rover  
 Quest – KS2 collaborative theme

Topic title/class/year group/term  
**Journeys**  
**5/6J**  
**Spring 2020**

## Health & Wellbeing/P.E.

Multi skills  
 Dance - space  
 Circle time linking to value  
 Growth Mindset - Famous failures  
 What makes a great teacher?  
 The iceberg illusion  
 Understanding our brains  
 Digital Citizenship

## Expressive Arts

James Rizzi – city skylines  
 Antarctica artwork - William Gryll  
 The Moon – observation, hues and tints  
 Joseph Cornell Object Boxes  
 Henri Rousseau  
 Rainforest dioramas  
 News reports on another planet  
 Weather reports  
 Space dance  
 Music - Looping and layering

## Additional learning

e.g. Cwricwlwm Cymreig, RE  
 Consider the impact of rising water levels on countries around the world including Wales  
 Malala – Journey to Freedom  
 The Patchwork Path  
 Pilgrimage

## Welsh Language

Anrheg i Aled  
 Myself and my hero  
 Buying clothes  
 Weather Reports from the Weddell Sea

## Literacy

**Shackleton's Journey**  
 Inference – who do the items belong to?  
 Reading VIPERS  
 Diary writing following the journey of a member of the crew  
 23 degrees 5 minutes film stimulus – setting descriptions  
**Are we alone? Curiosity and Hidden Figures**  
 Persuasive formal letters from the perspective of Katherine Johnson  
 News reports – Space buggy exploration on new terrains  
**Journey to the River Sea**  
 Reading VIPERS  
 Non-Chronological reports – The Amazon Rainforest  
 Plotting the journey down the Amazon – skim and retrieve information  
**The Arrival**  
 Narrative writing  
 Poetry study – Overheard in a tower block

**Ethical, informed citizens**

**Healthy, confident individuals**

## Science & Technology

**Shackleton's Journey – STEM**  
 Create a lamp for Shackleton and his crew to use as a lantern in the Weddell Sea  
 Flood Defences – The break-up of the Larsen Ice Shelf in the Weddell Sea – create and program a floodgate to control rising water levels from climate change  
 Blubber Gloves – insulation and temperature investigation  
**Are we alone? Curiosity – The Story of the Mars Rover**  
 The Moon landings – What affects the size of the craters on the Moon?  
 Investigating the size of mountains and shadows on the Moon  
 Pattern seeking investigation – does the size of the planet affect the speed in which it orbits the Sun? Create a 'codable' moving buggy to investigate another planet.

## Humanities

**Shackleton's Journey**  
 The impact of climate change on Antarctica and the world  
 Plotting and locating Shackleton's Journey  
**Are we alone?**  
 The Space Race. Hidden Figures – important women in space race.  
**The Rainforest**  
 Comparison of rural and urban areas and the impact of deforestation in the Amazon Rainforest. Climate. Layers of the rainforest.