



**Experiences and Outcomes (Focus 1 = Major, 3 = Minor)**

Curricular Area		Outcome Statement	Focus
<b>MATHS and NUMERACY</b>	Numeracy > Number, money and measure > Number and number processes	I have extended the range of whole numbers I can work with and having explored how decimal fractions are constructed, can explain the link between a digit, its place and its value. MNU 2-02a * Responsibility of all	2
	Numeracy > Number, money and measure > Estimation and rounding	I can use my knowledge of rounding to routinely estimate the answer to a problem then, after calculating, decide if my answer is reasonable, sharing my solution with others. MNU 2-01a * Responsibility of all	1
	Numeracy > Number, money and measure > Number and number processes	Having determined which calculations are needed, I can solve problems involving whole numbers using a range of methods, sharing my approaches and solutions with others. MNU 2-03a * Responsibility of all	1
	Numeracy > Number, money and measure > Measurement	I can use my knowledge of the sizes of familiar objects or places to assist me when making an estimate of measure. MNU 2-11a * Responsibility of all	1
		I can use the common units of measure, convert between related units of the metric system and carry out calculations when solving problems. MNU 2-11b * Responsibility of all	1
	Numeracy > Information handling > Data and analysis	Having discussed the variety of ways and range of media used to present data, I can interpret and draw conclusions from the information displayed, recognising that the presentation may be misleading. MNU 2-20a * Responsibility of all	1
	Mathematics > Shape, position and movement > Angle, symmetry and transformation	Having investigated where, why and how scale is used and expressed, I can apply my understanding to interpret simple models, maps and plans. MTH 2-17d	1
<b>SCIENCES</b>	Sciences > Planet Earth > Space	By observing or researching features of our solar system, I can use simple models to communicate my understanding of size, scale, time and relative motion within it. SCN 2-06a	1



Castle  
Douglas  
Primary

## Outdoor Learning Activity P6 – Planet Distances

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Curricular Area		Outcome Statement	Focus
<b>HEALTH &amp; WELLBEING</b>	Mental and emotional wellbeing	I understand that my feelings and reactions can change depending upon what is happening within and around me. This helps me to understand my own behaviour and the way others behave. HWB 2-04a * Responsibility of all	2
	Social wellbeing	I make full use of and value the opportunities I am given to improve and manage my learning and, in turn, I can help to encourage learning and confidence in others. HWB 2-11a * Responsibility of all	1
		I value the opportunities I am given to make friends and be part of a group in a range of situations. HWB 2-14a * Responsibility of all	2
	Physical activity and sport	I am experiencing enjoyment and achievement on a daily basis by taking part in different kinds of energetic physical activities of my choosing, including sport and opportunities for outdoor learning, available at my place of learning and in the wider community. HWB 2-25a	1
<b>TECHNOLOGIES</b>	ICT to enhance learning	Throughout all my learning, I can use search facilities of electronic sources to access and retrieve information, recognising the importance this has in my place of learning, at home and in the workplace.  TCH 2-03b	1
<b>LITERACY</b>	Listening and talking > Tools for listening and talking	When I engage with others, I can respond in ways appropriate to my role, show that I value others' contributions and use these to build on thinking. LIT 2-02a * Responsibility of all	1
	Listening and talking > Creating Texts	Within real and imaginary situations, I share experiences and feelings, ideas and information in a way that communicates my message. LIT 0-09a * Responsibility of all	2



**HOTS**

<b>HOTS</b>		
	<b>Questions</b>	<b>Activities</b>
<b>Creating</b>	How can I show, using the length of the fence, the distances planets are from the sun? How can I share my findings with others?	<p>Use the playground fence to show the scale distances that the planets in our Solar System are from the sun.</p> <p>Technology and Language – gathering and evaluating data.</p> <p>IT – designing a spreadsheet.</p> <p>Maths – estimating and measuring the fence perimeter.</p> <p>Problem Solving – working out a quick method to measure the fence.</p> <p>Technology – sharing outcome with others.</p>
<b>Evaluating</b>		
<b>Analysing</b>	How will a spreadsheet help me to work out the scale distances?	
<b>Applying</b>	How can I work out the length of the fence using panels?	
<b>Understanding</b>		
<b>Remembering</b>	What are the names and order of the planets?	

**EVALUATION**