

Maths Quest – Year 5

Wild Waters



Number Challenges

River Nile 4132 miles long – round to the nearest 1000, 100 or 10. Provide the children with other examples of rivers in order demonstrate rounding

Where are the coldest waters in the world? Find the location of the coldest waters around the world and display the 'year round' temperatures of this.

Calculation Challenges

Calculate the temperature of an identified world ocean and calculate the temperature differences of this throughout the year.

Locate the 3 deepest oceans and calculate the combined depth of these in metres and km etc.

Movement and Position Challenges

Coordinates. Draw a diagram of a meandering river in the 1st quadrant – include key features of rivers identified from lessons. Reflect diagram in all 4 quadrants and label the coordinates of each new position after reflection.

Measurement Challenges

Identify the 5 longest Rivers of the world and challenge the children to convert the length of each from miles into km or extend to m or cm etc.

Calculate the volume of water within a range of cubes e.g. volume of water within a cube where the faces are 5cm in length.

The Niagara Falls is approx. 167ft in height, how many yards is this? Inches? Challenge the children to solve each problem.

Fraction Challenges

The Atlantic Ocean covers approximately 106 400 000 square kilometres which is 20% of the Earth's surface, how many square kilometres is the Earth's surface?

Data Challenges

Provide rainfall data over a week e.g. 10mm, 12mm, 15mm etc. Calculate the mean, mode, median or range.

Identify two different UK cities and investigate the rainfall over a 'given period'. Which city has the most rainfall?

Shape Challenges

Display a selection of famous bridges from around the world e.g. Brooklyn Bridge, Sydney Harbour Bridge. Use high quality images to highlight the range of angles within the structures. Challenge the children to identify acute angles, obtuse or reflex angles.