Keston CE Primary School - Learning Challenge Topic Web

Will you ever see the water you drink again?

Year 6

LC1. Why is water important to us?
LC2. Where do we get our water from?
LC3. Is water shared equally around the world?
LC4. How is water used to turn on my lights?
LC6. What happens to the water in our homes once it disappears down the sink?
LC7. Can we create a water soundscape?
LC8. Will you ever see the water you drink again?

As Geographers/Historians can we...?
* collect information about a place and use it in a report.
* make careful measurements and use the data.
* explain why many cities of the world are situated by rivers.
* explain why water is such a valuable commodity?
* use maps, photographs and the internet to describe what a locality is like?
* explain how a location fits into its wider geographical location.

Using Technology can we...?
* use the internet to research water around the world.
* create a short film about water around the world.

Hook for Learning:
Experience of the wild outdoors- Clan activities in Keston Woods

As Thinkers can we...?
* Think about our lives today with no access to water?
* Identify the problems of water shortages around the world.

As Talkers can we...?
* explain why water is important to use and its uses.
* prepare and present a presentation on water around the world?

As Scientists can we...?
LC1. What is pulse and why do we have one?
LC2. Why can the heart be described as the most important pump we have?
LC3. What happens to the oxygen we breathe?
LC4. Why could we describe blood as the body's river system?
LC5. What have we learnt from pioneers like William Harvey?
LC6. Can you carry out a survey to show the impact of exercise on the body?

As Designers can we...?
* LC5. Can you create a moving toy that requires water to make it move?

As Musicians can we...?
* compose longer, more complex musical sequences including contrasting pitch, dynamics and rhythms.
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**As Readers and Writers can we...?**

**Grammar:** Sentence openers, expanded noun phrases, passive and active voice, subordinate clauses, modal verbs, semi-colons, colons, apostrophes, conjunctions.

**Fiction:** ‘Wolfbrother.’ Use a variety of different narrative techniques to engage and entertain the reader including, writing accounts from the perspective of different characters; using personal experience to describe settings, incorporate dialogue to infer a character’s feelings or motivation; create original scenarios based on known facts from the text.

**Non-fiction:** Create information pages based on learned information from the text and a survival guide.

**As Mathematicians can we...?**

Read, write, order & compare numbers up to 10,000,000
Round any whole number
Use negative numbers in context, and calculate across zero
Solve addition & subtraction multi-step problems
Use estimation to a degree of accuracy
Identify common factors, common multiples & prime numbers
Carry out calculations involving the four operations
Add & subtract fractions with different denominators & mixed numbers
Multiply & simplify pairs of fractions
Calculate decimal fractions
Divide fractions by whole numbers
Describe positions in all four quadrants
Draw, translate & reflect shapes
Calculate area & perimeter of shapes
Use formulae to calculate area & volume of shapes
Calculate, estimate & compare volume of cubes & cuboids

**For Homework we will receive...**

**Daily:** Reading & X tables
**Friday:** Spellings, English & Maths

**In Foreign Languages we are learning about...**

Give and understand the cost of something.
Numbers to 100 (in 5s)(listening assessment)

In RE we are learning about and from...

**What Would Jesus Do?**