**St Mary’s C of E Primary School, Writhlington**

*‘Inspiring Learning Together’*

**Scheme of Work + Knowlegde Organiser**

**Knowledge outcomes:**Ask questions and answer using different scientific enquiries

Complete practical enquiries, comparative and fair tests

Make observations using a range of equipment

Gather and present data in a range of different ways

Report on findings from enquiries

Draw simple conclusions, identifying differences and similarities

**The Learning Journey:**

**Why do some objects float, and others sink?**

Linking to their topic of the Titanic, children will investigate the buoyancy of different objects.

**Can I design my own boat?**

Based on their learning from the previous lesson, children will design their own boat, thinking about material and shape.

**Can you drop an egg without breaking it?**

Children will experiment wrapping eggs in different materials in order to investigate whether the egg will break.

**Which liquids melt the fastest?**

Children will predict and experiment which liquids will melt the fastest.

**Wider Curriculum**   
Links to Topic – The Titanic!

**Key Vocabulary:**

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| **Spelling** | **Definition/Sentence** |
| **buoyancy** | a force on an object making that object rise or move upward |
| **weight** | the measure of the force of gravity on an object |
| **up thrust** | the upward force that a liquid exerts on a body floating in it |
| **surface area** | total exposed area inside a given boundary |
| **fair test** | a test which controls all but one variable when attempting to answer a scientific question |
| **prediction** | say or estimate what will happen in the future |
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**We Are Scientists!**