

## LINK TO 4 PURPOSES

- Ambitious, Capable Learners** - Maths and numeracy skills help pupils reflect on the approaches used and to identify steps to improve performance and progress
- Ethically, Informed Citizens** - Maths and numeracy skills enable children to take measured risks and be flexible when undertaking maths problems.
- Healthy, Confident Individuals** - Apply numeracy skills across the curriculum and interpret data
- Enterprising, Creative Contributors** - Maths enables children to take measured risks and be flexible when undertaking maths problems

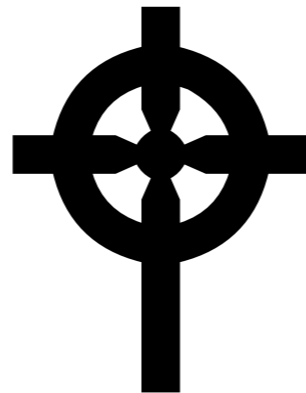
## WHAT DOES THIS AOLE LOOK LIKE AT ST ROBERT'S

Within St Robert's numeracy skills are developed across the curriculum. Providing our children with real-life context is a priority. This will be done through regular sessions on skills that children will utilise in their everyday lives. Mathematics and numeracy are delivered everyday through regular CLIC mental-math style sessions, which enables to children to build on prior knowledge and further develop their maths skills. This usually is followed by a lengthier and more formal mathematics session. These sessions contain a range of learning strategies. As a school that embraces White Rose Maths, we often utilise concrete, pictorial, abstract approach. The pedagogy that underpins the sessions is utilising practical, hands-on experiences that help children grasp numerical and mathematical concepts. The concepts then transform into children being able to understand the abstract. The main knowledge and skills we intend to cover during maths are mathematical understanding, communication using symbols, mastering fluency, logical reasoning, problem solving and strategic competence. In maths, fluency regards developing number and problem solving and being able to select the most appropriate method for the task at hand and to be able to apply a skill to multiple contexts. As a school, we will give children the opportunity to revisit learning in order to embed the concepts.

## VISION

Numeracy skills are a core part of the curriculum and supports pupils in their learning across the broader curriculum. The learning of maths skills benefits children by aiding them in making sense of the World around them. This will equip them with skills that will benefit them for life-long learning. As a school, we want to deepen children's love for mathematics. We will do this through daily mathematics CLIC sessions and formal lessons that develop on children's prior knowledge. These sessions will develop their mental maths skills. We will provide a range of formal lessons utilising a range of learning strategies that encourage children to work both collaboratively and individually. One of the core values is to encourage children to develop their mathematical resilience. Another aspiration of our AoLE is to aid children in recognising relationships between numeracy skills and making connections.

# St. Robert's Catholic



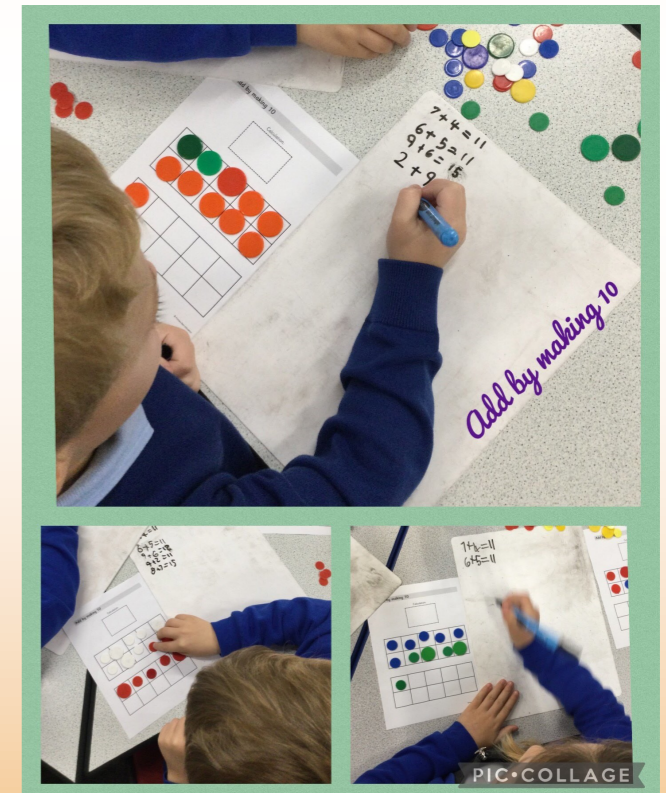
## Primary

## AoLE Maths and Numeracy



## RESOURCES

To support the delivery of the five proficiencies within the Maths and Numeracy AoLE teachers use the White Rose Maths scheme of learning. The school possesses numerous resources that support the Concrete, Pictorial, Abstract (CPA) approach of White Rose Maths.



## AOLE LEADS AND SUPPORT STAFF

Miss Petty  
Mrs Neill

## AOLE WITHIN A FAITH SCHOOL

As a faith school, the skills developed in Maths enables pupils to identify scripture and bring children closer to God. As a school, Virtues lay at the heart of our education. The virtues of learned and wise support mathematical learning.

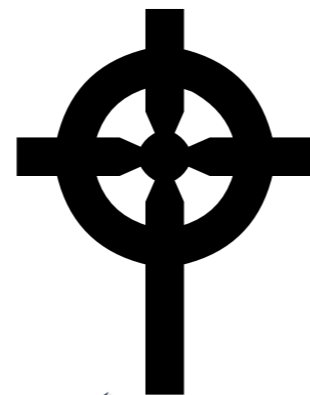
## OUTDOOR LEARNING

Within our Outdoor learning sessions all learners undertake a unit of Maths work; usually of 6 sessions that focus on the development and reinforcement of mathematical knowledge and skills.

## LEARNING OUTSIDE THE CLASSROOM - TRIPS, VISITS ENRICHMENT, CLUBS

Outside of the classroom, the children experience a wide range of opportunities that support this AoLE. This includes visits from trips linked across the curriculum, school productions and assemblies, Eisteddfod and Enrichment Days. We would use information discovered on these events to problem solve and interpreting data. Pupil voice groups also often utilise data handling methods such as tally charts to gain a bigger picture of things occurring in our school. An extra curricular mathematics club has been planned for lunchtimes in Spring Term

## St. Robert's Catholic



Primary

## AoLE Maths and Numeracy



## CROSS CURRICULAR LINKS

Staff plan numeracy across the curriculum opportunities on their topic overviews. This includes:

- Developing mathematical proficiency
- Number system
- Geometry
- Statistics and Representing Data



## CYNEFIN

Staff encourage the use of Welsh vocabulary in Maths sessions. Children utilise of Maths skills in cross curricular work within Welsh themed topics. Staff endeavour to utilise problem solving questions that include a Welsh element.