

## **ABG Mathematics Curriculum.**

Here at ABG we teach a 'Mastery' approach to mathematics.

There are five main concepts to a mastery approach.

### **Coherence.**

Lessons are broken down into small connected steps, which allows concepts to unfold gradually. This ensures the concepts are understood by all children.

### **Representation and Structure.**

Representations are used to expose children to the mathematical structures being taught.

### **Mathematical Thinking.**

Children need to work on and discuss concepts rather than just passively receive them. This results in children having a deeper understanding of the taught concepts.

### **Fluency.**

Is the ability of children to quickly and accurately recall facts and procedures and apply them in different contexts and representations.

### **Variation.**

Is how the teacher represents the concept being taught, usually in more than one way, to focus on the critical aspects of the concept, which leads to a deeper interconnected understanding of the concept. It is also focusing on what is the same and what is different to focus attention on the mathematical relationships and structure.

We follow the White Rose, small steps scheme, to ensure coherence. It also, along with Big Maths, provides guidance and resources to ensure the five concepts of mastery are consistently being used in our teaching of mathematics.

The following link to the White Rose scheme will enable you to see what your child will be learning during each term.

<https://whiterosemaths.com/resources/schemes-of-learning/primary-sols/>

The following link to Big Maths will explain how it aids in teaching to mastery and its use of cognitive load theory.

<https://whiterosemaths.com/resources/schemes-of-learning/primary-sols/>