



# CATALYST

## Dilkes Academy

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### Maths

#### **Year 1**

In maths, the children will read, write and order numbers from 1 to 50. Problem solving will be an integral part of lessons, as well as addition and subtraction, involving learning number bonds to 50 and addition doubles, money, missing numbers and finding the difference. Other topics studied include measures, time and shape and space, and data handling. Children will also focus on 2, 5 and 10 times tables.

#### **Year 2**

During the year we will work to further our mental and written understanding in all four operations; addition, subtraction, multiplication and division. We will apply this knowledge to real life problem solving activities as well as written problems during lessons. Also over the year we will complete units of work on shape, space and measure as well as data handling and time. Revision of prior number bonds and times tables will take place as well as introducing 3, 4 and 6 times tables.

#### **Year 3**

In maths, we will learn different methods for the four operations of addition, subtraction, multiplication and division and how to apply these methods to solve word problems. We also study 2D and 3D shapes, measure and time, using analogue and digital clocks, fractions and handling data. We continue to learn multiplication tables and look at understanding the value of coins. Once a week, the children practice their reasoning skills, using their mathematical skills to solve problems. Children will review known times tables as well as learn 7, 8 and 9 times tables.

#### **Year 4**

Throughout the year we learn about shape, space and measures. Children are taught both mental and written strategies for the four number operations; addition, subtraction, division and multiplication. They will develop their understanding of fractions and carry out investigations with data handling as well as develop problem solving skills. All times tables will be reviewed and consolidated.

#### **Year 5**

Throughout the year we learn about shape, space and measures. We develop mental and written strategies for the four number operations; addition, subtraction, division and multiplication. We also work on fractions, decimals, percentages and developing our problem solving skills.

#### **Year 6**

In maths, we cover all of the Year 6 key objectives including activities involving number in algebra and applying knowledge of number, shape, space and measure and reasoning. Pupils consolidate their times tables up to 12 x 12 and all number bonds to 100.

#### **99 Club**

All year groups will also now be taking part in the 99 Club. This involves children being tested once a week as part of a starter in maths. Questions involve knowledge of both number bonds, multiplication and associated facts. Once children have completed all levels of the 99 Club there is a bronze, silver and platinum level as well for them to complete.

