



High aspirations - Valuing learning – Achievement for all

Vision Statement: *Mathematicians*

1. Rationale

1.1 The school defines the school's curriculum vision with the *HVA Curriculum Part 1: The vision*. The purpose of this document is to clarify the vision for children as Mathematicians.

2.0 Curriculum

2.1 We believe daily Mathematics lessons will incorporate opportunities to develop as Mathematicians discretely and holistically.

3.0 Teaching of Mathematics

3.1 The teaching of Maths will encourage and enable students to: recognise that mathematics permeates the world around us, appreciate the usefulness, power and beauty of mathematics, enjoy mathematics and develop patience and persistence when solving problems.

3.2 Learning Maths at Haywood Village Academy will empower children to develop a positive attitude towards learning Mathematics, perform mathematical operations and manipulations with confidence, speed and accuracy, think and reason precisely, logically and critically in any given situation and develop investigative skills.

3.3 The mathematics curriculum will cover number and place value; addition and subtraction; multiplication and division; fractions, decimal and percentages; properties of shape; statistics, ratio and proportion and Algebra.

3.4 Children will be taught number sense, operational skills and teachers will boost their ability to solve complex problems. Lessons will focus on oracy and language to enhance the mathematical curriculum and children's understanding of concepts.

3.5 Children will be provided with direct instruction on methods and strategies and given clear modelling on how to use these.

3.6 Teachers will motivate children to persevere when problems are challenging and help them develop their resilience when mistakes are made.

3.7 Lessons will incorporate visuals and graphics to help explain concepts. Every opportunity will be made to support children to make connections within their mathematical understanding. Assessments will be used to accurately identify children's strengths and areas for development.

3.8 Class Teachers will teach Maths through a planned systematic and structured approach enabling progression across the mathematics curriculum. This will be enhanced by providing meaningful, limitless opportunities that enrich the curriculum

3.9 The aim of teaching children how to use specific mathematical strategies, both will enable children to use maths as a medium either to enhance learning within another state of being e.g. scientist or geographer, or as a platform to showcase their learning outcomes.

4.0 Review

4.1 This document will be reviewed: July 2019