The National Curriculum **Stalyhill Long Term Maths Plans** **White Rose Hub Scheme of Learning**

Planning to be informed by selective use of…

White Rose Maths

NCETM Teaching for Mastery Professional Development and Spine Materials

GLOW (EYFS)

Teach to the top with support and challenge

Teaching and Learning to follow the **Concrete, Pictorial, Abstract** approach (see policy)

Keep up not catch up

Concrete Resources - The following **representations** to be used to expose mathematical structures at every opportunity.

Five/Tens Frames	Counting Stick	Cuisenaire rods	Number squares	Fingers	Bar models
Numicon	Bead strings	Cubes	Counting resources	Number cards	Part/whole
Base 10	Double sided counters	Dice	Real life materials	Rekenreks	

Pictorial representations/Conceptual **Variation**

White Rose Hub pictorial suggestions within Scheme of learning

NCETM Spine Materials

Maths Bot.com

Vocabulary

Mathematical talk

Stem sentences

Abstract Wider **problem solving** and **reasoning** to be used so children 'go deeper' by experiencing problems provided in several different ways

White Rose Hub KS1 problem solving resources

I See Reasoning resources (Gareth Metcalfe)

NRICH

NCETM

Convince Me cards

Fluency - part of each maths lesson

Different contexts and representations

Rapid recall maths fact and vocab or prior learning