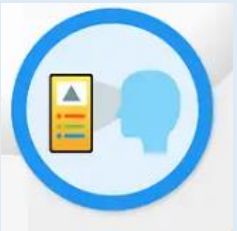
The 'Five a Day' Principles in Maths

 **Explicit Instruction**	 **Cognitive and metacognitive strategies**	 **Scaffolding**	 **Flexible Grouping**	 **Using Technology**
• I do, we do, you do teacher approach • Clear and unambiguous language • Anticipating and planning for common misconceptions • Highlighting essential content and removing distracting information • Using representation to aid understanding • Examples and non-examples	• Pre-learning to gauge retention of foundational knowledge for upcoming tasks • Daily retrieval activities • Pre-teach new vocabulary • Repetition and re-capping of new vocabulary • Success criteria to organise thinking into smaller steps • Daily counting • Frequent arithmetic tests • Opportunities to mark own learning • Teacher modelling own thinking	• Working models' • Physical apparatus • Structured diagrams (such as bar models, part whole model, number frames) • Breaking learning down into achievable steps • Partially complete calculations • Number squares/lines/multiplication squares • Place value charts	• Use of formative assessment and hinge questions to inform grouping and support. • Allocating groups flexibly, based on the individual needs that pupils currently share. • Grouping pupils together where they all need additional instruction to carry out a skill, remember a fact or understand a concept. • Collaborative learning across pupils with a range of attainment levels.	• Avoid white IWBs • Apps for practising skills eg. TT Rockstars • Websites with videos modelling skills eg. Oak Academy, BBC bitesize • Photographic evidence