

DESIGN & TECHNOLOGY INTENT FOR OUR PROGRAMME OF STUDY: KNOWLEDGE, PROGRESSION, COVERAGE

(PRIOR, NOW, NEXT)

*Our core school intent runs through every aspect of our teaching and learning. It is our philosophy and approach in every subject area. It is **how** we teach and learn. Every leader commits to this. But every subject must have its own Programme of Study - its own lines of progression for the knowledge and skills we plan to teach and therefore its own rationale/intent for **what** we teach and learn. This is the rationale for this 'prior, now and next' in our subject.*

Using the National Curriculum, we have designed a study programme which build progressively and logically over seven years:

We have split our programme into four areas of study: **FOOD & DIET, STRUCTURES, MOVEABLE MECHANICS & TEXTILES.**

These are not necessarily equitable across the programme and instead are chosen where we believe there is more fundamental knowledge and skills for our children and where they can, if possible, make meaningful links to the wider 'When I Grow Up...' studies.

In order to safely explore a variety of materials, tools and techniques in readiness for year 1, we introduce a **FOOD & DIET, STRUCTURE & MOVEABLE MECHANICS** opportunity into the 'I Wonder' studies in reception year - sharing their creations and experimenting with designs and functions.

During Key Stage 1, we have planned for our children to visit each of the four areas at least once and have designed two study opportunities for our children in **STRUCTURES** and **TEXTILES** as we feel these offer ideal chances for our children to practise and refine their cutting, joining and marking skills which we feel are essential to developing their work as they reach Key Stage 2. We have designed a wider **FOOD & DIET** study for year 2 which allows the children to draw upon areas of the world they have considered and bring this together in a special banquet outcome. We have created a **MOVEABLE MECHANICS** study which focuses upon just two specific moving parts as we form the basis for more extensive challenge in Key Stage 2.

During Key Stage 2, we have deliberately planned to ensure the children revisit, cover and extend each of these four areas (**FOOD & DIET, TEXTILES, STRUCTURES, MOVEABLE MECHANICS**) within both Lower and Upper stages. We have designed each unit carefully alongside our 'Progression & Milestones' document to ensure the complexity and expectation builds systematically each time i.e. the complexity and demands of the mechanisms and the range of materials, and joining and stitching skills, that the children work with and use in textiles and structures.