Year 4 - Beech – Spring Curriculum Overview
'Each and Every Child' ... EXCELLENCE - TRUST - WISDOM - FRIENDSHIP - ENDURANCE

Science	History	Geography
Unit: Life Cycles • Know that a cell is the smallest building block of living things. All organisms are made of cells • Know differences in the life cycle of an amphibian, bird, insect and mammal • Know differences between sexual & asexual reproduction in plants and animals **Unit: Human Development** • Know the stages of the human life cycle • Know that the gestation period for humans is 40 weeks • Know the difference between primary aging and secondary aging	**Unit: Beyond 1066 - Medieval Monarchs** • Know how the death of Edward the Confessor led to the Battle of Hastings • Know the events which lead to Thomas Becket's death. • Know why Richard was referred to as 'Lionheart' • Know why John was known as Bad King John. • Know what the feudal system is.	**Unit: Biomes** • Know the features of a specific climate zone e.g. arctic, temperate or tropical • Know how biomes are characterised by climate, fauna and flora, inc the relevance of lines of latitude • Know examples of human activity that affect biomes.

Computing	Art and DT	Religious Education
Unit: Microbits: **Unit: Flat File Databases and Selection in Physical Computing** • Know that a computer program can be used to organise data. • Know that tools can be used to select data to answer questions e.g. ordering and filter tools. • Know how 'AND' and 'OR' can be used to refine data selection. • Know that a condition can only be true or false. • Know that a count controlled loop contains conditions. • Know a condition controlled loop with a count controlled loop and explain that a condition controlled loop will only stop when a condition is met. • Know that selection can be used to branch the flow of a program. • • Know that a loop can be used to repeatedly check whether a condition has been met.	**Art Unit: Tudor Art (Hans Holbein and Gustav Klimt)** **By the end of this unit pupils will know that :** **DRAWING** • Know that sketched lines are used to map concepts on a surface. A loose grip can also suggest movement in an artwork. • Know that objects can be affected by many light sources. • Know that 3D objects have a tactile texture and when this is captured in a drawing it is called implied texture • Identify how to organise facial proportions and demonstrate improved accuracy when drawing people and faces. **PAINTING** • Know how to create all colours and mix colours needed for artwork (including watercolours and acrylics).	**Unit: Wisdom** • Christian beliefs come from Jesus' teachings found in the bible. • that religious teachings make an impact on people's lives. • Elements of religious teachings can be found in our school and British values. • Wisdom can be found in the teachings of famous leaders. **Unit: Easter** • that Christians believe that Christ's resurrection is a victory over death. • that Christians believe Jesus' death and resurrection restored the relationship between God and people. • that the theme of victory is present in world faiths through holy stories.

- Know and describe how to use a 'pallet knife' when creating texture with acrylic paints.
- Know that texture can be manipulated via different methods and techniques such as layering, differing brush strokes or varying equipment such as a sponge or palette knife.

DT Unit: Electrical Systems

- Know how to program, monitor and control a product through computing.
- Know how to draw an electrical circuit.
- Know how to draw a circuit diagram.
- Know how environment change can be an input