| **Science**    **Core Learning**  **Class 1**  **Year A** | | | | |
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| **Unit of work** | **Autumn One**  **It’s Good To Be Me**  **Senses**  **Autumn Two-**  **A Starry Night**  **Seasons and Different Materials** | **Spring One**  **Passport to Bridgemere**  **Water** | **Summer One**  **Farm to Fork**  **Animals**  **Growing** |
| **Prior Learning** | Children may have some experience of melting and freezing from real life experiences | All the of the children live around the area of Bridgemere | Most children have visited a farm at some point |
| **Essentials Key knowledge**  **Nuggets** | What are my 5 senses?  What do my senses like/dislike? | What is floating and sinking?  Why do I need an umbrella when it rains? | How is a chicken born?  Where does my food come from?    How do I look after my plant? |
| **Core Learning** | * Investigate the process of melting and freezing * Explore weather changes in winter * Explore the changes in the season throughout the year * Explore different materials- using appropriate language * Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter (UW- The Natural World) | * Investigate the process of floating and sinking * Investigate what materials are waterproof * Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter   (UW- The Natural World) | * Lifecycle of an animal- egg to chick * Plant and grow plants- talk about how we care for them- what does a plant need * Explore the natural world around them, making observations and drawing pictures of animals and plants. (UW- Thee Natural World) |
| **Vocabulary** | Senses  Smell  Sight  Hearing  Touch  Taste  Winter  Seasons  Weather  Freeze  Melt  Brittle  Soft  Smooth  Hard  Cold | Float  Sink  Waterproof | Lifecycle  Habitat  Plants  Growing  Change |
| **Personal Development** | Why do you like the taste or smell of some things and not others?  Why does your ice cream melt on hot days? | If you were out in the rain- what would you want your umbrella to be made from? | How can we do to help the plants in our garden?  Why should we be thankful for the farmers? |
| **Quick Quiz** | What do you use your nose for?  What things are frozen? | What things will sink or float? | What does a plant need to grow? |