Baskerville School

Science Knowledge & Skills Coverage

Discoverer Pathway			
	Senses	**Me and My small world (Animals)**	**Changes in Weather (Seasons)**
Intent	**Students will explore the world through sensory experiences. They will encounter a range of sights, sounds, smells, tastes and textures and begin to respond to these experiences in ways that are meaningful to them. Through supported exploration, students will develop awareness of their own body parts, begin to recognise different sensory experiences and communicate preferences, reactions and choices using their individual communication methods.**	**Students will explore themselves and the familiar world around them through sensory experiences, play and interaction. They will develop awareness of their own body, familiar people and familiar animals. Through exploration and supported communication, students will begin to recognise similarities, differences and features within their immediate environment.**	**Students will explore winter through sensory experiences and first-hand interactions with seasonal materials and environments. They will investigate cold, ice, water, winter clothing and seasonal changes using touch, sight, sound and play. Students will develop awareness that things in the environment can change and experience these changes in meaningful and accessible ways.**
Knowledge	**Learners will know:** • They have different body parts. • Eyes help us look at things. • Ears help us listen to sounds. • A nose helps us smell things. • A mouth and tongue help us taste things. • Hands and skin help us feel things. • Things can feel, smell, look, sound and taste different.	**Learners will know:** • They have a body. • Body parts have names. • Some animals live on farms. • Farm animals can look, feel and sound different. • Familiar people are part of their world. • Objects, animals and people can be similar or different.	**Learners will know:** • Winter is a different time of year. • Winter can feel cold. • Ice is frozen water. • Ice can melt when it becomes warm. • People wear special clothes to keep warm in winter. • Some animals sleep during winter (hibernate). • Things around us can change.
Skills	**Learners will acquire skills:** • I can explore sensory objects and materials with support. • I can look towards interesting sights and visual stimuli. • I can respond to familiar sounds and voices. • I can explore and tolerate a range of textures. • I can experience different smells and tastes. • I can show preferences for sensory experiences I enjoy. • I can make simple choices between sensory objects or activities. • I can anticipate familiar sensory routines and experiences. • I can communicate a response using speech, sounds, signs, gestures, symbols, facial expressions or technology. • I can engage in shared sensory exploration with adults and peers.	**Learners will acquire skills:** • I can respond to my name. • I can explore my reflection in a mirror. • I can notice and respond to body parts on myself or others. • I can engage with songs and actions about the body. • I can explore a range of farm animal toys, objects and sensory resources. • I can respond to animal sounds. • I can make simple choices between people, objects or animals. • I can show preferences for familiar people, objects and activities. • I can sort or match familiar objects with support. • I can communicate through gestures, signs, symbols, vocalisations or technology.	**Learners will acquire skills:** • I can explore cold and warm objects. • I can investigate ice using my senses. • I can notice changes as ice melts. • I can engage in seasonal sensory activities. • I can explore winter clothing and materials. • I can respond to winter stories, songs and sensory experiences. • I can observe changes in objects, materials or the environment. • I can show preferences when exploring different textures and temperatures. • I can communicate my observations through actions, gestures, symbols, sounds or words. • I can engage in shared exploration with adults and peers.
Characteristics of a Scientist	• I explore new experiences. • I investigate using my senses. • I show curiosity. • I make choices. • I communicate what I like and dislike.	• I explore familiar objects and people. • I notice similarities and differences. • I sort and group with support. • I make links between experiences.	• I investigate and experience things. • I notice changes. • I explore using my senses. • I show curiosity about the world around me.
Key Vocabulary	Sense look see eyes listen hear Ears smell nose taste tongue Mouth touch feels hands soft Hard loud quiet smooth rough	Me body head face eyes mouth hands arms legs feet animal farm cow pig sheep horse family same different	Winter cold warm ice freeze frozen melt water snow frosty rainy change hibernate hedgehog polar bear penguin
End Point	By the end of this unit, students will actively engage in sensory exploration activities and show awareness of a range of sensory experiences. They will respond to familiar sights, sounds, smells, tastes and textures and communicate preferences in ways appropriate to their individual needs. Students will demonstrate increasing confidence in exploring their environment, making choices and interacting with sensory materials whilst developing awareness of their own bodies and the world around them.	By the end of this unit, students will show increasing awareness of themselves, familiar people and familiar animals. They will engage in activities involving body parts, mirrors, photographs and sensory animal experiences, demonstrating preferences and communicating responses in ways appropriate to their individual needs. Students will begin to recognise familiar features of themselves and their immediate world.	By the end of this unit, students will participate in sensory exploration of winter-themed activities and materials. They will demonstrate awareness of seasonal experiences such as cold weather, ice, water and winter clothing through their responses and interactions. Students will communicate preferences, show curiosity and engage with activities that help them experience and observe simple changes in the world around them.