



TSS Primary Science MTP 2023-24 Year 1 Block 1 – Working Scientifically

Key Targets and Learning Objectives	Key Activities	Equipment
<ul style="list-style-type: none">• Sort and group objects based on observations of the similarities and differences between them.• Make predictions about what they think will happen.• Ask questions about the world around us and talk about how to find answers.• Use given equipment appropriately.• Follow instructions safely when doing practical work.• Collect and record observations and/or measurements by annotating images and completing simple tables.• Describe what happened during an enquiry and if it matched predictions.• Identify the senses (limited to sight, hearing, taste, smell and touch) and what they detect, linking each to the correct body part.• Recognise and name the major external parts of the human body.• Describe how humans are similar to and different from each other.	<ul style="list-style-type: none">• On a roll of paper draw around the outline of a child. Get children to label the outline with the various body parts, adding in facial features. Discuss internal parts of the body and introduce key organs. Question what those organs do.• Children link the body part which is associated with each sense. Give children boxes with a smelly object inside. Children use their sense of smell to decide whether the object smells nice, nasty, or weird.• Children do a school treasure hunt to find a variety of materials with different textures and colours. They should find similarities and differences. The children group them using categories based on material types (rough smooth etc) or colour, or a mixture of both.• Predict how sample will taste and/or smell. Group activity classifying sweet, sour, salty and spicy. Using their sense of taste, the children can test the samples (check any food allergies first) Were our predictions correct?• Ask children how they use their senses to make sense of the world Eyes to see, ears to hear etc. Blindfold children, who need to rely on their sense of feel in order to guess different objects (e.g. frozen peas, pencils, instrument etc).• Play the sound quiz game. Explain to children that sound is made from vibrations and these travel through sound waves. Show examples of things vibrating to make sound, e.g. humming, tapping drums etc. Show children how to make a ‘telephone’ with cups and string. Children try to make their own. <p>STEAM activity – children try to make a tall tower using marshmallows and spaghetti. Allow time to plan, build and reflect. Children come up with meaningful success criteria afterwards.</p>	<ul style="list-style-type: none">• Large paper• Various smelly objects• Different materials• Different types of food that taste either sweet, salty or sour• Different objects for sound game



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STEAM activity – Chn must build a tall tower using toothpicks and bluetac. The tallest tower wins. Allow time to plan, build and reflect. Children create a success criteria for future projects.

Key vocabulary	Going Green Link	Integration of technology
5 Senses – smell, taste, sight, touch and hearing, skeleton, skin, stomach, brain, fingers, toes, eyes, ears, mouth, elbow, knee, predict, observe, sweet, salty, sour, spicy, strong, smooth, rough, silky, fluffy	<ul style="list-style-type: none">• Discuss how littering affects our planet and make a class promise to not litter	<ul style="list-style-type: none">• Use ipads to conduct listening experiments and take photos to analyse