

YEAR 2—SPRING 2—Everyday Materials and how their properties and how they can be changed.

Things to include each half term:

- 1 x active learning
- 1 x outdoor science lesson
- 3 x experiments/investigations
- 1 x child-led investigation
- 3 x examples of working scientifically

Science display:

- Key Words
- Key Questions
- Photographs of children's investigations
- Different fabrics
- Children's collages

- *wash hands before and after
- *children working independently with own equipment or in small groups (6) sharing equipment
- *any equipment to be quarantined before and after use
- *children seated forward facing, side by side

Science Adventure Medium Term Planning

Science 1 – 2 hours

SCIENTIFIC LEARNING

L.O. I know about different materials in my environment.
Discuss the difference between material and fabric. Materials hunt around the classroom adding labels. 2 activities - 1) sort varied materials and attached labels describing type and materials. 2) make a collage using different materials. Add adjectives e.g. hard, soft

Science 2 – 2 hours

CHILD LED INVESTIGATION

L.O. I know how materials are used differently in my environment.
Discuss the uses of different materials e.g. umbrellas/spoons and their suitable materials. Activity – 'Little Red Riding Hood' needs a new coat – what should it be made of/not made of. Children to investigate the suitability of different materials. Children to write about their findings.

Science 3 – 2 hours

ACTIVE LEARNING

OUTDOOR LEARNING

SCIENTIFIC LEARNING

L.O. I know how fabrics are used in my environment. Show children different fabrics. Children to observe closely and discuss. Show children different clothes symbols and what some of the symbols mean. Activity – 'Cinderella' has to wash the ugly sister's clothes. Children to have washing lines and pegs. They are given properties and have to hang correct clothes; e.g. wash at 30/can be ironed/made of ...

Science 4 – 1 hour

ACTIVE LEARNING

OUTDOOR LEARNING

INVESTIGATION

L.O. I can investigate why materials are chosen in my environment.
Talk about materials used to build the house of the three little pigs. Children to collect materials; straw, sticks and Lego. They should build houses and discuss which house is strongest/most suitable. Why? Explain. Children to record their findings.

Science 5 – 1 hour

INVESTIGATION

L.O. I can investigate how the shapes of solid objects can be changed.
Children to be provided with a range of solid objects and they need to identify how their structure is changed when bent, squashed twisted or stretched. Record findings.

Science 6 – 2 hours

INVESTIGATION

SCIENTIFIC LEARNING

L.O. I can investigate the absorbency of different types of paper.
Discuss a material's suitability. Have a bag full of objects made from different materials. Can they think of 3 different uses for wood etc.? Activity – 'Snow White' is cleaning up after the '7 dwarves' and drops a bucket of water on the floor. Which kitchen towel will be the most absorbent?