# TTS Fabrics Pack

**Code**: FAB

## *Teacher's notes*

**The fabric samples within this pack can be used for a variety of investigations and experiments. The aim of these notes is to give teachers a few ideas, mainly based on the QCA scheme of work.**

### Key Stage One

*Unit 1C - Sorting and using materials*

- Put the fabrics in a feely bag and ask the children to describe them.
- Let the teacher describe a fabric. Can the children guess which one is being talked about?
- Challenge the children to find the best fabric for a particular purpose e.g. the 'best' fabric for bedroom curtains, the 'best' fabric for a winter coat for Teddy etc.
- Investigate the properties needed for an umbrella and then choose the best fabric to make an umbrella from.

### *Additional activities related to KS1 units of work*

- Which fabric would make the best earmuffs?
- Which fabrics are made from naturally occurring materials?
- Which fabric would make the best reflective coat?
- Ask the children to 'sort' the materials into groups and explain their decisions.

### Key Stage Two

*Unit 3C - Characteristics of materials*

- Which fabric can withstand 'rubbing' the best? Investigate which of the fabrics from the pack would make the best trousers for a rock climber.
- Which fabric is the most absorbent? Why?

*Unit 3F - Light and Shadows*

- Which fabrics are opaque? Transparent? Or Translucent? (How much light comes through each fabric?)
- Which fabrics form the best shadow and why?

*Unit 4C - Keeping warm*

- Use the fabric selection to insulate cups of hot water and use data logging equipment to monitor the changes in temperature over a time period.
- Use the fabrics to make a display of materials that keep us warm/cold.
- What effect does varying the number of layers have on keeping something warm?
- Which fabric would make the best space suit?

*Unit 5D - Changing State*

- Do some fabrics dry faster than others?
- Where would your washing dry quickest?

*Unit 5F - Changing Sounds*

- Which fabric would be best to use as sound insulation around a noisy alarm clock? Investigate.

*'Jnit 6D - Reversible and irreversible changes*

- Using small pieces (the size of a postage stamp) of each (not the PVC coated nylon) fabric, demonstrate (teacher only) what happens when each is burnt. Discuss the dangers of fabrics burning and relate this to the importance of fire retardant fabrics.

From the Active Science catalogue.
A range of 6 other primary catalogues are available from TTS call: 01623 447800.