

Waterlake jacquard cloth woven by Camira Fabrics, Bradford



# What can we make from wool?

Here are some of the objects Ella has designed and made using wool, in collaboration with manufacturers.

Wool is so versatile! You can spin it, weave it, knit it, felt it, dye it, create tassels with it, keep warm with it, use it as a stuffing or as bedding... you could even wrap yourself up in a roll of felt! And did you know you can electric charge wool dust and get it to stick to wallpaper? It is known as flocking,

The Wool industry is known for a brilliant saying **'Where there is muck there is brass'** because nothing goes to waste, even wool dust gets used!



Cushions made from the jacquard wool cloth in different colours



Waterlake design woven into a wool carpet floor runner 3 meters long

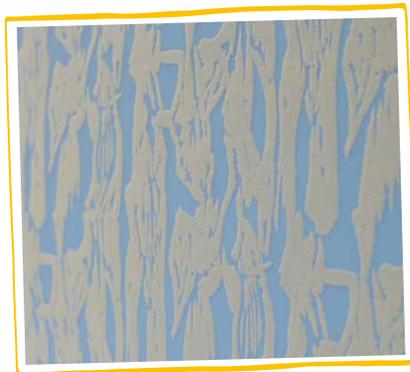
This table is made using wool! The top surface uses the wool and a resin. If you look closely you can see the sheep hairs set in the resin.



These two seats were designed using the woven cloth designed by Ella



This is an example of wool flocking onto paper using electrically charged wool dust



# The properties and benefits of Wool

How many things can you find in your home that are made of wool, or have wool in them?

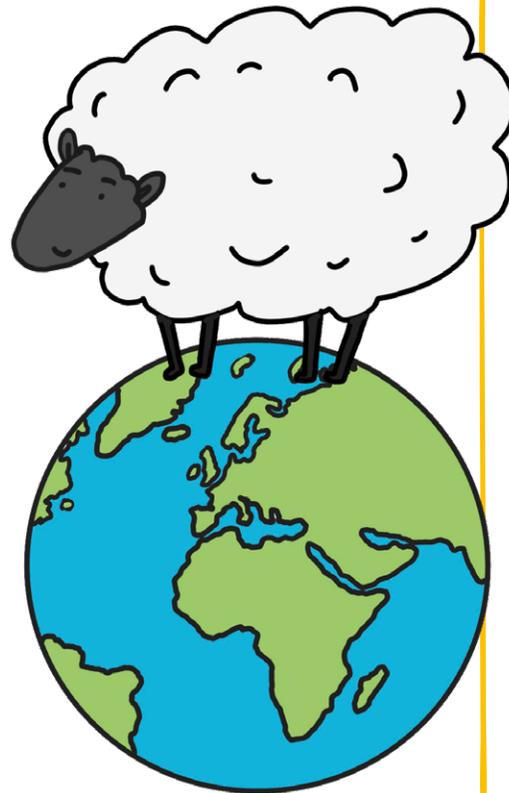
List them here

**1.** Wool is biodegradable, and renewable: as long as we look after our sheep we will have wool.

**2.** Wool is a material you can use for many things. It reacts to changes in the atmosphere, for instance in clothing it will help keep you cool in the heat of the day, and warm in the cool of the night.

Astronauts wear wool for comfort in their Spacecraft, and scientists at the North Pole wear wool to protect them from the cold.

**3.** Wool is stretchable and doesn't break easily, it can be woven, knitted, crocheted, felted, and spun



A large yellow-bordered box containing ten horizontal dotted lines for writing.

# The properties and benefits of wool cont.

4. Wool is naturally fire-resistant, this is because it has a lot of nitrogen and water in it. It is used to keep houses warm and in furniture like my re-upholstered chair below, it acts as a fire retardant, which prevents the material from going up in flames if there were a fire.



Can you imagine wrapping a whole building in felt to protect it from a fire?



Ella at the wool dyeing factory with huge bales of cleaned wool that are waiting to be dyed into different colours

This wool has been cleaned and scoured, heated and compressed allowing the fibres to come together naturally. It's called felt.



Can you imagine a fantastical invention using these huge bales of wool?

