

Modification of materials

Design and technology - Understanding fibres and fabrics

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What natural dyes have you got at home?

There are a lot of things in the natural world that produce dye, from bugs to barks, but we are going to look at **food**

Draw a table : **List at least 10 food items** and the **colour** you think we would get from them.

Use the **example** to help you

| Type of food | What colour will it make |
|------------------------|--------------------------|
| <i>Spinach</i> | <i>Green</i> |
| <i>Turmeric powder</i> | <i>Yellow/ Gold</i> |
| <i>Red Cabbage</i> | |
| <i>Avocado pits</i> | |



Modification of your garment

Task

Chose a light/white cotton item to modify i.e tshirt, tank top, socks, cardigan



Credit: Pixabay

Sketch & colour 2 design ideas

Annotate your designs explaining which natural dyes for which colours

Explain if there is an influence or trend & style

Could you try to create this design with adult supervision?



Research task

You are to create a resource on materials, their properties and their use. You will use the listed fibres. These are some keywords that could help you.

Polyester

Silk

Satin

Wool

Cotton

*Versatile. Renewable. Non-renewable.
Blended. Printed. Thick. Thin. Strong.
Washes well (Launder-ability). Holds its
colour. Shiny. Grows. Natural. Soft.
Coarse. Absorbent. Resistant. Cheap.
Expensive. Woven. Knitted. Abrasive
strength*



| | Fibre | Physical property | Working property | Items used for & why |
|------------------|-----------|-------------------|------------------|----------------------|
| Natural fibres | Silk | | | |
| | Cotton | | | |
| | Wool | | | |
| Synthetic fibres | Polyester | | | |
| | Satin | | | |

