

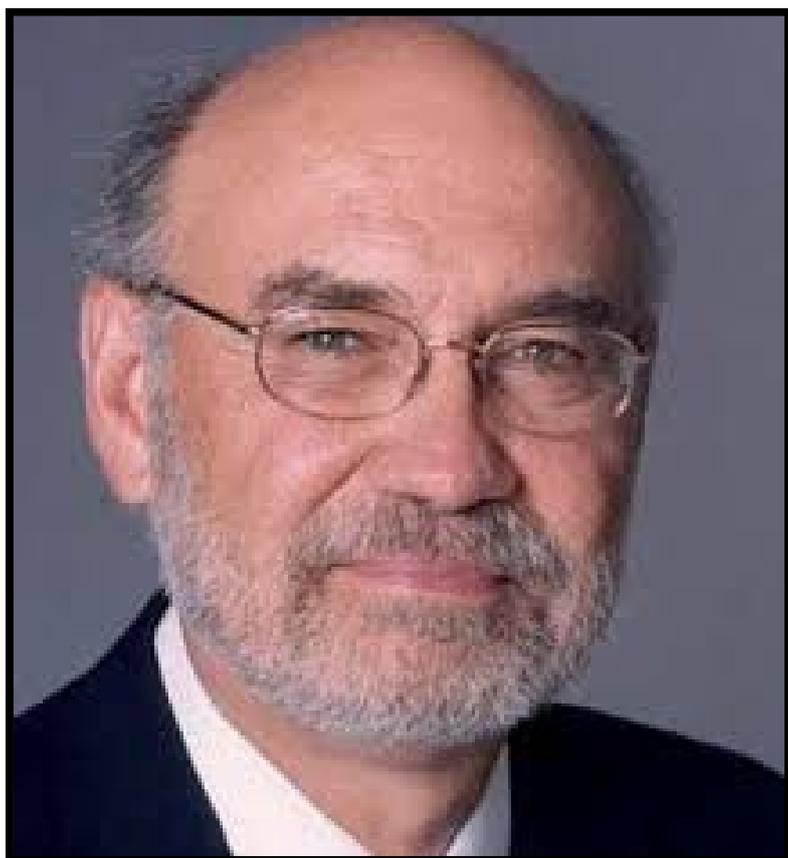
Science - Year 5

Properties and changes of materials – Block 5PCM

Changing Materials Education Pack

Session 5
Resource Pack

Chemist inventors: match the invention



Spencer Silver

My material is a little bit sticky, but not so sticky that when you remove it, it comes away easily.

My material doesn't wrinkle very much so that you don't need to iron it before wearing.

Ruth Benerito





Charles Macintosh

**My material is coated in something that means
you don't get so wet when it rains on you!**

Instructions for making goo

Ingredients

2 parts PVA glue

1 part liquid laundry starch

Spoon

Plastic bowl

Plastic air-tight container

Food colouring



Method:

1. Pour the glue into a plastic bowl and add a few drops of food colouring. Stir thoroughly
2. Mix in the liquid laundry starch to the glue, a small amount at a time. Stir until the mixture thickens
3. Knead the mixture until it holds together well and is smooth. Where the mixture is too sticky, just add some more laundry starch until it becomes rubbery
4. Store the goo in an air-tight container.

As an alternative you can use 1 part laundry detergent to 2 parts PVA glue

Research guidance

Research guidance

You need to complete research on two new materials that are currently being developed: **Geckel** and **Graphene**.

Use these as search terms and make sure that you glean the following information for your presentation or guide:

- *How the material was developed and who developed it*
- *Why it is called what it is*
- *Its key features (what does it do?)*
- *Its applications (what can it be used for?)*
- *How it will impact positively on life*

Research guidance

You need to complete research on two new materials that are currently being developed: **Geckel** and **Graphene**.

Use these as search terms and make sure that you glean the following information for your presentation or guide:

- *How the material was developed and who developed it*
- *Why it is called what it is*
- *Its key features (what does it do?)*
- *Its applications (what can it be used for?)*
- *How it will impact positively on life*