

## Year 5 & 6 Materials homework challenges

Your homework for this term is *YOUR CHOICE!* We have given you 10 activities to choose from and would like you to complete these over the spring term. We are sure that you will put in a lot of effort for each piece and you will enjoy presenting your homework to the rest of the class, sharing all your hard work.

As you complete the activities, please bring your homework into school - you don't have to wait until the end of term!

<p style="text-align: center;"><b>Collage creation</b></p> <p>Create a collage using as many different materials as you can.</p>	<p style="text-align: center;"><b>Persuade people to recycle</b></p> <p>Design a poster to encourage people to recycle materials.</p>	<p style="text-align: center;"><b>Model-Making</b></p> <p>Design and make a model of your choice using as many different materials as possible.</p>	<p style="text-align: center;"><b>Material inventors</b></p> <p>Find out about how a material was invented and by who.</p>	<p style="text-align: center;"><b>World's worst inventions!</b></p> <p>Design (and make - if you can) a new invention using a material that is completely inappropriate for its purpose... Eg a paper shoe, a chocolate teapot or a rubber hammer!</p>
<p style="text-align: center;"><b>Scavenger hunt</b></p> <p>Can you find 5 different materials that would be classified as -</p> <ol style="list-style-type: none"> <li>1 Soluble</li> <li>2 Malleable</li> <li>3 Reflective</li> <li>4 Opaque</li> <li>5 Transparent</li> </ol>	<p style="text-align: center;"><b>Word search</b></p> <p>Create a word search using lots of words related to materials.</p>	<p style="text-align: center;"><b>Convince me</b></p> <p>Convince me that _____ is the best material for making a hat.</p>	<p style="text-align: center;"><b>Recycled fashion</b></p> <p>Make a piece of clothing from re-cycled material...if we have enough garments, we will have a fashion show to display them!</p>	<p style="text-align: center;"><b>Solids, liquids and gases</b></p> <p>Explain the differences between solids, liquids and gases in a creative way.</p>