



- Interior designer
- Architect
- Graphic designer
- Engineer
- Animator
- Art director
- Advertising
- Fashion designer
- Photographer
- Film and video editor
- Web design
- Exhibition designer
- CAD technician
- Computer games designer/tester
- Kitchen designer
- Costume designer
- Illustrator
- Furniture designer

• To develop my own ideas and then decide which materials to use to express them.

*To select materials based on their properties.

• To select and explain why I have decided to use certain materials.

* Different techniques for joining materials, such as how to use adhesive tape and different sorts of glue.

*To select an appropriate adhesive based on the materials I am using.

• To select appropriate adhesives and explain why they are suitable.

techniques,
ideas, decide,
materials, join,
tape, glue



select, material,
properties,
appropriate,
adhesive,
suitable, effect,
purpose, product,
use.



select, explain,
materials,
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- To develop my own ideas and then decide which materials to use to express them.
- To select materials based on their properties.

*To select and explain why I have decided to use certain materials.

- To make a product that uses both mechanical and electrical components

- Different techniques for joining materials, such as how to use adhesive tape and different sorts of glue.
- To select an appropriate adhesive based on the materials I am using.

*To select appropriate adhesives and explain why they are suitable.

- To decide how to strengthen, stiffen and reinforce a complex structure.

techniques, ideas, materials, join, tape, glue, material, properties, appropriate, adhesive, purpose, product.



select, explain, materials, adhesives, properties, purpose, product, suitable, use



decide, strengthen, stiffen, reinforce, tools, complex, structure, electrical, mechanical





- To develop my own ideas and then decide which materials to use to express them.
- To select materials based on their properties.
- To select and explain why I have decided to use certain materials.

*To make a product that uses both mechanical and electrical components

- To suggest improvements when using a mechanical system.

- Different techniques for joining materials, such as how to use adhesive tape and different sorts of glue.
- To select an appropriate adhesive based on the materials I am using.
- To select appropriate adhesives and explain why they are suitable.

*To decide how to strengthen, stiffen and reinforce a complex structure.

- To add a mechanical system to my product and consider the best way to do this.

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techniques, ideas, materials, join, tape, glue, material, properties, appropriate, adhesive, purpose, product, suitable, use



decide, strengthen, stiffen, reinforce, tools, complex, structure, electrical, mechanical



mechanical system, product, improvements, strengths, weaknesses, technical



Previously, I have learnt...

In Year 4, I am learning...

In the future, I will learn...

My future...

- To select and explain why I have decided to use certain materials.
- To make a product that uses both mechanical and electrical components

*To suggest improvements when using a mechanical system.

*To recognise the effect of changing my part of my electrical system and how this will impact on the use of my product .

- Different techniques for joining materials, such as how to use adhesive tape and different sorts of glue.
- To decide how to strengthen, stiffen and reinforce a complex structure.

*To add a mechanical system to my product and consider the best way to do this.

*To investigate using an electrical system in my product and to create own electrical system e.g. using switches, bulbs, buzzers and motors..

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techniques, materials, join, tape, glue, material, adhesive, purpose, product, suitable, use, structure, electrical, mechanical



mechanical system, product, improvements, strengths, weaknesses, technical



technical, investigate, product, electrical system, create, buzzers, switches, motors, bulbs





- To select and explain why I have decided to use certain materials.
- To make a product that uses both mechanical and electrical components.
- To suggest improvements when using a mechanical system.

- Different techniques for joining materials, such as how to use adhesive tape and different sorts of glue.
- To decide how to strengthen, stiffen and reinforce a complex structure.
- To add a mechanical system to my product and consider the best way to do this.

*To recognise the effect of changing my part of my electrical system and how this will impact on the use of my product .

*To investigate using an electrical system in my product and to create own electrical system e.g. using switches, bulbs, buzzers and motors..

- To apply my understanding of computing to monitor and control my product.

- To apply my understanding of computing to program my product.

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techniques, materials, join, tape, glue, material, adhesive, purpose, product, suitable, use, structure, electrical, mechanical



mechanical system, product, technical, electrical system, create, buzzers, switches, motors, bulbs



technical, understanding, computing, program, control, monitor, algorithm, debug, adapt





- To make a product that uses both mechanical and electrical components.
- To recognise the effect of changing my part of my electrical system and how this will impact on the use of my product.

*To apply my understanding of computing to monitor and control my product.

- To understand how more advanced electrical and electronic systems can be powered and used in their products with heat, light, sound and movement.

- To add a mechanical system to my product and consider the best way to do this.
- To investigate using an electrical system in my product and to create own electrical system e.g. using switches, bulbs, buzzers and motors..

*To apply my understanding of computing to program my product.

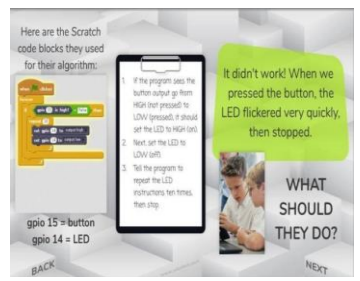
- To apply computing and use electronics to embed intelligence in products that respond to inputs using programmable components.

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purpose, product, electrical, mechanical, buzzers, switches, motors, bulbs, technical, electrical system, create



technical, understanding, computing, program, control, monitor, algorithm, debug, adapt



electrical, advanced, components, heat, light, sound, controller, electronics, programmable

