



# Year 6 Design and Technology - Food - Cooking with a heat source (DMEA)

## Vocabulary:

**Design brief** - a written plan that states what product needs to be designed, who the intended user will be and how the product will be used. It may include other information to consider such as the product's size, cost or what materials it should be made from.

**Method** - in a recipe, this refers to the steps that need to be followed to create the finished dish

**Critically evaluate** - carefully consider all aspects including strengths and weaknesses



## Year 6 Groblox:

### Design

**DT6F1:** I can explore a range of initial ideas through research and discussion with my peers and adults to develop a design brief, and criteria for a design specification.

### Make

**DT6F5:** I can independently follow a recipe including: handling food and equipment hygienically; measuring ingredients accurately; preparing and combining ingredients; using utensils and heat sources safely.

### Evaluate

**DT6F7:** I can critically evaluate the final product with reference back to the design brief and the design specification, considering the views of others.

### Technical knowledge and understanding

**DT6F9:** I know whether the ingredients in my product were grown, reared or caught; whether they are fresh or processed; and whether they can be eaten raw or if they need to be cooked before being eaten.

## Groblox Assessment

Code	Date	Traffic Light	Teacher	Date	Traffic Light	Teacher
DT6 F1						
DT6 F5						
DT6 F7						
DT6 F9						



# Year 6 Design and Technology - Mechanisms: Pulleys or Gears

## Vocabulary:

**Constraint** - a limit or restriction

**Pulley** - a grooved wheel over which a drive belt can run

**Gear** - a wheel with teeth around its circumference

**Drive belt** - the belt which connects and transfers movement between two pulleys

**Gearing up or down** - changing the rotational speed of a product by the use of pulley or gears

**Mechanical System** - a set of related components used to create movement

**Driver** - the gear or pulley that provided the input movement to the system

**Follower** - the gear or pulley that provides the output movement to the system

**Mesh** - the point where two gears join together and transfer movement

**Motor spindle** - the rod on the end of the motor onto which a gear or pulley is attached

## Year 6 Groblox:

**DT6M1:** I can generate innovative ideas by carrying out research using surveys, interviews, questionnaires and web-based research.

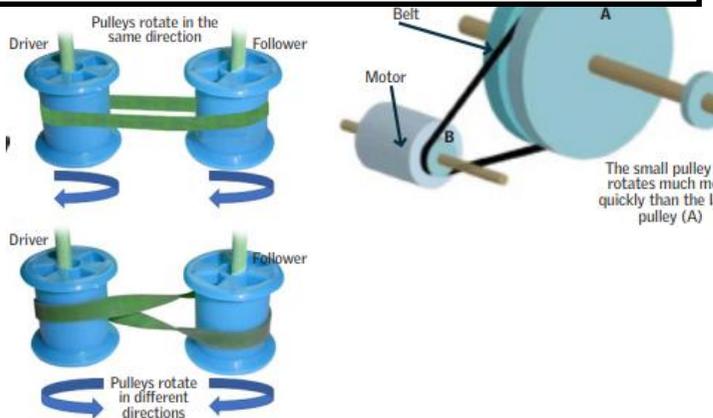
**DT6M3:** I can produce a detailed list of tools, equipment and materials, formulate step by step plans and, if appropriate, allocate tasks within a team.

**DT6M4:** I can competently select from and use a range of tools and equipment to make a product that is accurately assembled and well finished, and work within the constraints of time, resources and cost.

**DT6M6:** I understand how gears and pulleys can be used to speed up, slow down or change the direction of movement.

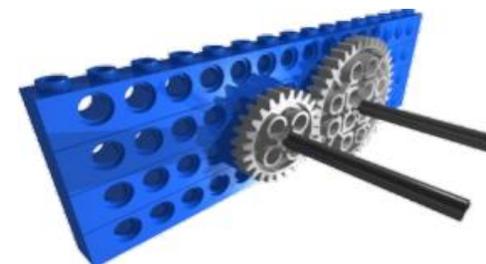
## Groblox Assessment

Code	Date	Traffic Light	Teacher	Date	Traffic Light	Teacher
DT6M1						
DT6M3						
DT6M4						
DT6M6						



## Previous Groblox:

**DT5M2:** I can develop and communicate ideas through discussion, annotated drawings and exploded drawings.





# Year 6 Design and Technology - Textiles: Combining Different Fabric Shapes

## Vocabulary:

**Velcro** - a two-part hook and loop material that sticks to itself and is used to fasten two parts of something together

**Press stud** - a fastener that consists of two discs that snap together to fasten two parts of something together

**Toggle** - a small piece of wood or plastic that is used to fasten two parts of something together

**Tacking** - large running stitches that are used to hold pieces of fabric together temporarily

## Year 6 Groblox:

**DT6T3:** I can make a product that is accurately assembled and well finished.

**DT6T4:** I know which techniques to use make my product and to achieve my desired finish.

**DT6T5:** I know that a 3D textile product can be made from a combination of accurately made pattern pieces, fabric shapes and different fabrics.

Groblox Assessment						
Code	Date	Traffic Light	Teacher	Date	Traffic Light	Teacher
DT6F3						
DT6F4						
DT6F5						

Types of fasteners



## Previous Groblox:

**DT2T3:** I can join fabrics using running stitch.

**DT2T4:** I know and can explain some technical vocabulary eg template/pattern, mark out, join, embellish.

**DT3T1:** I can thread a large-eyed needle.

**DT4T6:** I understand and can discuss the need for patterns and seam allowances.

