

Year Five / Six

Autumn



Autumn - Food

| Crucial Knowledge | Expanded Knowledge | Intent/Prove |
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| <ul style="list-style-type: none"> Hands and work surfaces must be hygienically clean. Cooking utensils and equipment must be used safely and correctly. Recipes can be adapted to change the appearance, taste, texture and aroma Food is grown (e.g. tomatoes, wheat, potatoes), reared (e.g. pigs, chickens, cattle) and caught (e.g. fish) in the UK, Europe and the wider world Some food is seasonal Some food is processed into ingredients that can be eaten or used in cooking Safety procedures must be adhered to | <ul style="list-style-type: none"> Different food and drink contain different substances - nutrients, water and fibre - that are needed for health There is a range of utensils, which are used for specific purposes – e.g. a peeler to remove the outer layer of skin. | <p>Cooking through time – Tudor pottage</p> <p>Planning, creating and evaluating a meal (tutor pottage).</p> <p>Compare and design a more modern version, using the same ingredients and a base.</p> |

Spring

Spring – Mechanical System (Gears)

| Crucial Knowledge | Expanded Knowledge | Intent/Prove |
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| <ul style="list-style-type: none"> A pulley is a wheel that carries a flexible rope, cord, cable, chain or belt on its rim. Pulleys can change the speed and direction of rotation Pulleys are used to lift or pull objects – especially heavy objects. | <ul style="list-style-type: none"> Batteries should be checked to make sure they are not leaking. Wires get hot in electrical circuits and must be insulated. There is a range of equipment, which are used for specific purposes – e.g. a drive belt is a belt | <p>Make a fair ground ride.</p> |

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| <ul style="list-style-type: none"> • A gear is a wheel with grooves called teeth cut into it. • Gears can speed up or slow down the movement • Mains electricity can be very dangerous. • The floor must be clear from tripping hazards • Instructions must be listened to and followed carefully • Safety procedures must be adhered to | <p>which connects and transfers movement between two pulleys</p> | |
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Summer

| Summer - Structure | | |
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| Crucial Knowledge | Expanded Knowledge | Intent/Prove |
| <ul style="list-style-type: none"> • A frame is made by joining rigid pieces of material together • The material can be joined using PVA glue • Gluing triangles in the corner of the frame makes the frame stronger • A structure can fail if there is too much load • Some tools can only be used by adults. • Loads can cause injury if structures fail when testing. • Saw and drill use must be supervised by an adult • Safety procedures must be adhered to • The floor must be clear from tripping hazards • Instructions must be listened to and followed carefully • It is important to decide how well something is done and how/if it could be improved. | <ul style="list-style-type: none"> • There is a range of tools, which are used for specific purposes – e.g. a saw is used to neatly cut wood and other materials. | <p>Bridge building (2 weeks KNEX, 4 weeks woodwork)</p> |



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