

Autumn

Homes (DT Assoc)

Explore and design a home for a specific user

Know how freestanding structures can be made stronger, stiffer and more stable by using stiffening, tubes, build patterns.

Know how to make hinges

Join:

Glue

Tape

Staples

Tools:

Measure with a ruler

Cut safely with scissors

Make centre hole safely

Use stapler safely

Spring

T-Shirt (DT assoc)

Explore and design a T-shirt decoration for a specific user

Know how to weave

Know what applique is

Join:

Sew items

Glue

Staple

Tools:

Scissors to cut safely

Make centre hole safely

Use stapler safely

Thread a needle and sew safely

Loom

Summer

Fruit salad (Nuffield)

Explore and design a fruit salad for a specific purpose

Know:

all food comes from plants or animals

food has to be farmed, grown elsewhere (e.g. home) or caught

Some food has a season when it is available

everyone should eat at least five portions of fruit and veg

name and sort foods into the five groups in the eatwell plate

recognise 16 fruits / veg and know if they are 'local' or overseas

know the hygiene rules for food prep

Tools:

Knife to cut safely / flatten / spread / peel

Fork to mash / hold / cut / de-pip

Spoon to mix and measure

Y3/4

Autumn

Structures & fixings - pen holder

Explore, design, make & evaluate a pen holder to meet specific requirements.

Evaluate their product.

Know:

Why we reuse and recycle

Names of 3D shapes

We can make a net of a 3D shape

Tools:

Measure and mark carefully

Scissors to cut safely and smoothly - straight edges

Staplers

Joins:

Glue and tabs / flaps

Tape

Staples

Spring

Structures & fixings -textiles#

Explore, design, make & evaluate a textile animal

Know:

How to use weight to stabilise a 3D form

How to stuff to make a 3D form

Tools:

Needle and thread to sew safely

Pins to hold textile / paper together

Stapler

Scissors to cut curves and fabrics safely

Joins:

Glue

Pin for temporary join

Stitching

Staples

Summer

Structures & fixings - box with lid

Explore, design, make & evaluate a box with a lid to meet specific requirements.

Know:

Why we reuse and recycle

Names of 3D shapes

We can make a net of a 3D shape

How to stiffen and strengthen a structure

Tools:

Measure and mark carefully

Scissors to cut safely and smoothly - curves and circles

Compass to draw circles

Staplers

Joins:

Glue and tabs / flaps

Tape

Staples

Y5/6

Autumn

Cooking - Christmas cookies

Explore, design, make, evaluate Christmas cookies and box

Know:

Balanced diet requirements and why cookies are a treat item

Food groups of the ingredients

Food safety and hygiene rules including the use of a heat source

That we can adapt recipes to change the appearance, taste, texture and aroma

Tools:

Scales to weigh accurately

Spoons to measure

Piping bags to ice

Knife to cut

Cooker safely

Spring

Cooking - bread

Explore, design, make, evaluate a special bread

Know:

Balanced diet requirements

Food groups of the ingredients

Seasonality and origin of ingredients

Food safety and hygiene rules including the use of a heat source

That we can adapt recipes to change the appearance, taste, texture and aroma

Yeast is a microorganism that makes bread rise

Some breads can be unleavened

Tools:

Yeast

Cooking implements

Summer

Cooking - pizza

Explore, design, make, evaluate a pizza

Know:

Balanced diet requirements

Food groups of the ingredients

Seasonality and origin of ingredients

Food safety and hygiene rules including the use of a heat source

That we can adapt recipes to change the appearance, taste, texture and aroma

Yeast is a microorganism that makes bread rise

Dairy comes from milk of goats / sheep / cows / buffalo

Tools:

Yeast

Cooking implements

Knife to chop safely