

St Albert the Great Catholic Primary School

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Find to follow:

- Vision, Intent, Implementation and Impact statements for Design and Technology using the Twinkl scheme.
- Early Years Foundation Stage, Key Stage 1 and Key Stage 2 National Curriculum Expectations.
- A progression of skills and learning objectives (children can statements) from EYFS through to Upper Keystage 2.

Each topic is complemented with an overview of the topic learning objectives and assessment criteria which needs to be met for WTS, EXS and GDS.

Vision

Our vision for Design and Technology is to give children the skills to represent their own ideas and thoughts, discovering ways to use and purpose materials and media through original thinking.

Intent

At St Albert the Great, we use a coherently planned sequence of design and technology lessons using the Twinkl planning scheme to help teachers ensure they have progressively covered the knowledge, understanding and skills required in the National Curriculum. The aim is to inspire children through a broad range of practical experiences to create innovative designs which solve real and relevant problems within a variety of different contexts. The iterative design process is fundamental and runs throughout the planning. This repetitive process encourages children to identify real and relevant problems, critically evaluate existing products and then take risks and innovate when designing and creating solutions to the problems. Time is built in to reflect, evaluate and improve on prototypes using design criteria throughout to support this process. Opportunities are provided for children to evaluate key events and individuals who have helped shape the world, showing the real impact of design and technology on the wider environment and helping to inspire children to become the next generation of innovators.

Implementation

Design and Technology skills and understanding are built into Twinkl lessons, following an iterative process. However, this is not to say that this structure should be followed rigidly: it allows for the revision of ideas to become part of good practice and ultimately helps to build a depth to children's understanding. Through revisiting and consolidating skills, the plans and resources help children build on prior knowledge alongside introducing new skills, knowledge and challenge. A specific series of lessons should be used for each key stage, which offer structure and narrative but are by no means to be used exclusively, rather to support planning. The revision and introduction of key vocabulary is built into each lesson. This vocabulary is then included in display materials and additional resources to ensure that children are allowed opportunities to repeat and revise this knowledge. Use of the adult guides and accurate design and technology subject knowledge are recommended and provided within lessons to allow the teacher and adults working in those lessons to feel confident and supported with the skills and knowledge that they are teaching. Through these lessons, we intend to inspire pupils and practitioners to develop a love of Design and Technology and see how it has helped shaped the ever-evolving technological world they live in.

Impact

The impact of using the full range of resources, including display materials, should be seen across the school with an increase in the profile of Design and Technology. The learning environment across the school should become more consistent with design and technology technical vocabulary displayed, spoken and used by all learners. Whole-school and parental engagement could be improved through the use of design and technology-specific home learning tasks and opportunities suggested in lessons and overviews for wider learning. We want to ensure that Design and Technology is loved by teachers and pupils across school, therefore encouraging them to want to continue building on this wealth of skills and understanding, now and in the future. Impact can also be measured through key questioning skills built into lessons and summative assessments aimed at targeting next steps in learning.

EYFS National Curriculum

Expressive Arts and Design (Exploring and Using Media and Materials)

Children safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.

Expressive Arts and Design (Being Imaginative)

Children use what they have learnt about media and materials in original ways, thinking about uses and purposes. They represent their own ideas, thoughts and feelings through design and technology, art, music, dance, role play and stories.

Physical Development (Moving and Handling)

Children handle equipment and tools effectively, including pencils for writing.

Key Stage 1 National Curriculum Expectations

Design

Pupils should be taught to:

- design purposeful, functional, appealing products for themselves and other users based on design criteria;
- generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.

Make

Pupils should be taught to:

- select from and use a range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing];
- select from and use a wide range of materials and components, including construction materials, textiles and ingredients, according to their characteristics.

Evaluate

Pupils should be taught to:

- explore and evaluate a range of existing products;
- evaluate their ideas and products against design criteria.

Technical Knowledge

Pupils should be taught to:

- build structures, exploring how they can be made stronger, stiffer and more stable;
- explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.

Cooking and Nutrition

Pupils should be taught to:

- · use the basic principles of a healthy and varied diet to prepare dishes;
- · understand where food comes from.

Key Stage 2 National Curriculum Expectations

Design

Pupils should be taught to:

- use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups;
- generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.

Make

Pupils should be taught to:

- select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately;
- select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.

Evaluate

Pupils should be taught to:

- · investigate and analyse a range of existing products;
- evaluate their ideas and products against their own design criteria and consider the views
 of others to improve their work;
- understand how key events and individuals in design and technology have helped shape the world.

Technical Knowledge

- apply their understanding of how to strengthen, stiffen and reinforce more complex structures;
- understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages];
- understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors];
- · apply their understanding of computing to program, monitor and control their products.

Cooking and Nutrition

Pupils should be taught to:

- · understand and apply the principles of a healthy and varied diet;
- prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques;
- understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.

EYFS

Birth to 3 (UW)

Explore materials with different properties.

Explore natural materials, indoors and outside.

Birth to 3 (EAD)

Explore different materials, using all their senses to investigate them. Manipulate and play with different materials. Use their imagination as they consider what

they can do with different materials. Make simple models which express their ideas.

3-4 (PD)

Choose the right resources to carry out their own plan. For example, choosing a spade to enlarge a small hole they dug with a trowel. Collaborate with others to manage large items, such as moving a long plank safely, carrying large hollow blocks. Use one-handed tools and equipment, for

example, making snips in paper with scissors.

Use a comfortable grip with good control when holding pens and pencils.

3-4 (Maths)

Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'.

Select shapes appropriately: flat surfaces for building, a triangular prism for a roof etc.

Combine shapes to make new ones - an arch, a bigger triangle etc.

Talk about and identifies the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', 'blobs' etc.

KS₁

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skillsneeded to engage in an iterative process of designing.

They should work in a range of relevant contexts [for example, the home and school, gardens and playgrounds, the local community, industry and the wider environment].

Children design purposeful, functional, appealing products for themselves, and other users based on design criteria.

They generate, develop, model and communicate their ideas through talking, drawing, templates, mock-ups and, where appropriate, information and communication technology.

Children can:

- a use their knowledge of existing products and their ownexperience to help generate their ideas:
- b design products that have a purpose and are aimed at anintended user:
- c explain how their products will look and work throughtalking and simple annotated drawings:
- d design models using simple computing software:
- e plan and test ideas using templates and mock-ups;
- understand and follow simple design criteria;
- g work in a range of relevant contexts, for example imaginary, story-based, home, school and the wider environment.

LKS₂

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skillsneeded to engage in an iterative process of designing.

They should work in a range of relevant contexts [for example, the home, school, leisure, culture, enterprise, industry and the wider environment].

Children use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.

They generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer- aided design.

Children can:

- identify the design features of their products that willappeal to intended customers:
- use their knowledge of a broad range of existing products to help generate their ideas:
- design innovative and appealing products that have aclear purpose and are aimed at a specific user;
- explain how particular parts of their products work;
- use annotated sketches and crosssectional drawings todevelop and communicate their ideas:
- when designing, explore different initial ideas beforecoming up with a final design;
- when planning, start to explain their choice of materials and components including function and aesthetics:
- test ideas out through using prototypes;
- use computer-aided design to develop and communicate their ideas (see note on p. 1);

UKS₂

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skillsneeded to engage in an iterative process of designing.

They should work in a range of relevant contexts [for example, the home, school, leisure, culture, enterprise, industry and the wider environment].

Children use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups.

They generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer- aided design.

Children can:

- use research to inform and develop detailed design criteria to inform the design of innovative, functional and appealing products that are fit for purpose and aimed at atarget market;
- use their knowledge of a broad range of existing products to help generate their ideas:
- design products that have a clear purpose and indicate thedesign features of their products that will appeal to the intended user;
- explain how particular parts of their products work;
- use annotated sketches, crosssectional drawings and exploded diagrams (possibly including computer-aideddesign) to develop and communicate their ideas:
- generate a range of design ideas and clearly communicatefinal designs:
- consider the availability and costings of resources whenplanning out designs;

3-4 (EAD)

Join different materials and explore different textures.

Create closed shapes with continuous lines and begin to use these shapes to represent objects.

Reception (PD)

Develop their small motor skills so that they can use a range of tools competently, safely and confidently. Suggested tools: pencils for drawing and writing, paintbrushes, scissors, knives, forks and spoons.

Reception (Maths)

Select, rotate, and manipulate shapes in order to developspatial reasoning skills. Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can.

Reception (EAD)

Explore, use and refine a variety of artistic effects to express their ideas and feelings. Return to and build on their previous learning, refining ideas and developing their ability to represent them.

Create collaboratively sharing ideas, resources and skills

ELG (CL)

Listen attentively and respond to what they hear with relevant questions, comments and actions when being read to and during whole class discussions and small group interactions.

Make comments about what they have heard and ask questions to clarify their understanding.

Hold conversation when engaged in back-andforth exchanges with their teacher and peers. Participate in small group, class and one-toone discussions, offering their own ideas, using recently introduced vocabulary.

- j develop and follow simple design criteria;
- k work in a broader range of relevant contexts, for example entertainment, the home, school, leisure, food industry and the wider environment.
- work in a broad range of relevant contexts, for example conservation, the home, school, leisure, culture, enterprise, industry and the wider environment.

ELG (PSED)		
Set and work towards simple goals, being		
able to wait for what they want and		
able to wait for what they want and		
control their immediate impulses when		
appropriate.		
Give focused attention to what the teacher		
says, responding appropriately even when		
says, responding appropriately even when		
engaged in activity, and show an ability to		
follow instructions involving several ideas or		
actions.		
Be confident to try new activities and show		
independence, resilience and perseverance		
in the face of challenge.		
in the race of chatterige.		
ELG (PD)		
Use a range of small tools, including		
scissors, paintbrushes, and cutlery.		
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ELG (EAD)		
Safely use and explore a variety of		
salety use and explore a variety of		
materials, tools and techniques,		
experimenting with colour, design,		
texture, form and function.		
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EYFS

Birth to 3 (UW)

Explore materials with different properties.

Birth to 3 (EAD)

Make simple models which express their ideas.

3-4 (PD)

Choose the right resources to carry out their own plan. For example, choosing a spade to enlarge a small hole they dug with a trowel. Collaborate with others to manage large items, such as moving a long plank safely, carrying large hollow blocks.

Use one-handed tools and equipment, for example, making snips in paper with scissors.

Use a comfortable grip with good control when holding pens and pencils.

3-4 (Maths)

Select shapes appropriately: flat surfaces for building, a triangular prism for a roof etc.

Combine shapes to make new ones - an arch, a biggertriangle etc.

3-4 (EAD)

Join different materials and explore different textures.

Create closed shapes with continuous lines and begin to use these shapes to represent objects.

Reception (CL)

Use talk to help work out problems and organise thinking and activities explain how things work and why they might happen. Engage in non-fiction books.

Reception (PD)

Develop their small motor skills so that they can use a range of tools competently, safely and confidently.

KS1

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skillsneeded to engage in an iterative process of making.

Children select from and use a range of tools and equipment toperform practical tasks [for example, cutting, shaping, joining and finishing].

They select from and use a wide range of materials and components, including construction materials, textiles and ingredients according to their characteristics.

Children can:

Planning

- a with support, follow a simple plan or recipe
- begin to select from a range of hand tools and equipment, such as scissors, graters, zesters, safe knives, juicer;
- select from a range of materials, textiles and components according to their characteristics;

Practical skills and techniques

- d learn to use hand tools and kitchen equipment safely andappropriately and learn to follow hygiene procedures;
- use a range of materials and components, including textiles and food ingredients;
- f with help, measure and mark out;
- g cut, shape and score materials with some accuracy;
- assemble, join and combine materials, components or ingredients;
- demonstrate how to cut, shape and join fabric to make asimple product;
- manipulate fabrics in simple ways to create the desiredeffect;
- use a basic running stich;
- cut, peel and grate ingredients, including measuring and weighing ingredients using measuring cups;

LKS₂

KS2 Design and Technology National Curriculum

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skillsneeded to engage in an iterative process of making.

Children select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing] accurately.

They select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.

Children can:

Planning

- with growing confidence, carefully select from a range oftools and equipment, explaining their choices;
- select from a range of materials and componentsaccording to their functional properties and aesthetic qualities;
- place the main stages of making in a systematic order;

Practical skills and techniques

- learn to use a range of tools and equipment safely, appropriately and accurately and learn to follow hygiene procedures;
- use a wider range of materials and components, including construction materials and kits, textiles and mechanical and electrical components;
- with growing independence, measure and mark out to thenearest cm and millimetre;
- cut, shape and score materials with some degreeof accuracy;
- assemble, join and combine material and components with some degree of accuracy;

UKS₂

KS2 Design and Technology National Curriculum

Through a variety of creative and practical activities, pupils should be taught the knowledge, understanding and skillsneeded to engage in an iterative process of making.

Children select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately.

They select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.

Children can:

Planning

- independently plan by suggesting what to do next;
- with growing confidence, select from a wide range of toolsand equipment, explaining their choices;
- select from a range of materials and componentsaccording to their functional properties and aesthetic qualities;
- d create step-by-step plans as a guide to making;

Practical skills and techniques

- learn to use a range of tools and equipment safely andappropriately and learn to follow hygiene procedures;
- f independently take exact measurements and mark out, towithin 1 millimetre;
- g use a full range of materials and components, including construction materials and kits, textiles, and mechanical components;
- cut a range of materials with precision and accuracy;
- shape and score materials with precision and accuracy;

Reception (Maths)

Select, rotate, and manipulate shapes in order to developspatial reasoning skills. Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can.

Reception (EAD)

Explore, use and refine a variety of artistic effects to express their ideas and feelings. Return to and build on their previous learning, refining ideas and developing their ability to represent them. Create collaboratively sharing ideas, resources and skills.

ELG (CL)

Listen attentively and respond to what they hear with relevant questions, comments and actions when being read to and during whole class discussions and small group interactions.

Make comments about what they have heard and ask questions to clarify their understanding.

Hold conversation when engaged in back-andforth exchanges with their teacher and peers. Participate in small group, class and oneto-one discussions, offering their own ideas, using recently introduced vocabulary.

ELG (PSED)

Set and work towards simple goals, being able to wait for what they want and control their immediate impulses when appropriate.

Give focused attention to what the teacher says, responding appropriately even when engaged in activity, and show an ability to follow instructions involving several ideas or actions.

Be confident to try new activities and show independence, resilience and perseverance in the face of challenge.

ELG (PD)

Use a range of small tools, including scissors, paintbrushes, and cutlery.

 begin to use simple finishing techniques to improve theappearance of their product, such as adding simple decorations.

- demonstrate how to measure, cut, shape and join fabric with some accuracy to make a simple product;
- j join textiles with an appropriate sewing technique;
- k begin to select and use different and appropriate finishing techniques to improve the appearance of a product such as hemming, tie-dye, fabric paints and digital graphics.
- assemble, join and combine materials and components with accuracy;
- k demonstrate how to measure, make a seam allowance, tape, pin, cut, shape and join fabric with precision to makea more complex product;
- join textiles using a greater variety of stitches, such as backstitch, whip stitch, blanket stitch;
- m refine the finish using techniques to improve the appearance of their product, such as sanding or a more precise scissor cut after roughly cutting out a shape.

ELG (EAD) Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.		

EYFS KS₁ LKS₂ UKS₂ 3-4 (CL) Through a variety of creative and practical Through a variety of creative and practical Through a variety of creative and practical Use longer sentences of four to six words. activities, pupils should be taught the activities, pupils should be taught the activities, pupils should be taught the knowledge, understanding and skillsneeded to knowledge, understanding and skillsneeded knowledge, understanding and skillsneeded engage in an iterative process of designing to engage in an iterative process of designing to engage in an iterative process of designing 3-4 (PD) Use a comfortable grip with good and making. and making. and making. control when holding pens and Children explore and evaluate a range of Children investigate and analyse a range of Children investigate and analyse a range of pencils. existing products. existing products. existing products. They evaluate their ideas 3-4 (Maths) They evaluate their ideas and products They evaluate their ideas and products and products against design criteria. Children Talk about and explore 2D and 3D shapes against their own design criteria and consider against their own design criteria and (for example, circles, rectangles, triangles the views of others to improve their work. consider the views of others to improve their can: and cuboids) using informal and work. explore and evaluate existing products They understand how key events and mathematical language: 'sides', 'corners'; mainly through discussions, comparisons individuals in design and technology have They understand how key events and 'straight', 'flat', 'round'. and simple written evaluations; Talk about and identifies the patterns helped shape the world. individuals in design and technology have helped shape the world. around them. For example: stripes on explain positives and Children can: clothes, designs on rugs and wallpaper. things to improve for Children can: Use informal language like 'pointy', explore and evaluate existing products, existing products: explaining the purpose of the product complete detailed competitor analysis 'spotty', 'blobs' etc. explore what materials products are made and whether it is designed well tomeet of other productson the market; Begin to describe a sequence of events, real from: the intended purpose; or fictional, using words such as 'first', critically evaluate the quality of design, talk about their design ideas and what they 'then...' explore what materials/ingredients manufacture and fitness for purpose of are making; products are madefrom and suggest products as they design and make; 3-4 (UW) as they work, start to identify strengths reasons for this: evaluate their ideas and products Talk about what they see, using a wide and possible changes they might make against the original design criteria, consider their design criteria as they vocabulary. to refine their existing design; making changes as needed. make progress and are willing to alter Talk about the differences between evaluate their products and ideas their plans, sometimes considering the materials and changes they notice. against their simpledesign criteria; views of others if this helps them to improve their product; start to understand that the iterative Reception (CL) process sometimes involves repeating Learn new vocabulary. evaluate their product against their original different stages of the process. Articulate their ideas and thoughts in welldesign criteria; formed sentences. evaluate the key events, including Use talk to help work out problems and technological developments, and designs of organise thinking and activities explain how individuals in design and technology that things work and why they might happen. have helped shape the world. Describe events in some detail. Reception (PSED) Think about the perspectives of others. Reception (PD) Develop their small motor skills so that they can use a range of tools competently, safely and confidently. Suggested tools: pencils for drawing and writing, paintbrushes, scissors, knives, forks and spoons.

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Reception (EAD) Return to and build on their previous learning, refining ideas and developing their ability to represent them. Create collaboratively sharing ideas, resources and skills.		
ELG (CL) Listen attentively and respond to what they hear with relevant questions, comments and actions when being read to and during whole class discussions and small group interactions. Make comments about what they have heard and ask questions to clarify their understanding. Hold conversation when engaged in back-and- forth exchanges with their teacher and peers. Participate in small group, class and one- to-one discussions, offering their own ideas, using recently introduced vocabulary.		
ELG (PSED) Give focused attention to what the teacher says, responding appropriately even when engaged in activity, and show an ability to follow instructions involving several ideas or actions. Be confident to try new activities and show independence, resilience and perseverance in the face of challenge.		
ELG (PD) Use a range of small tools, including scissors, paintbrushes, and cutlery.		
ELG (EAD) Share their creations, explaining the process they have used.		

Birth to 3 (EAD)		LKS2	UKS2
Use their imagination as they consider what they can do with different materials. Make simple models which express their ideas.	Children build structures, exploring how they can be made stronger, stiffer and more stable. They explore and use mechanisms [for example, levers, sliders, wheels and axles], in their products.	Children apply their understanding of how to strengthen, stiffenand reinforce more complex structures. They understand and use mechanical systems in their products[for example, gears, pulleys,	Children apply their understanding of how to strengthen, stiffenand reinforce more complex structures. They understand and use mechanical systems in their products[for example, gears, pulleys,
3-4 (PD) Choose the right resources to carry out their own plan. For example, choosing a spade to enlarge a small hole they dug with a trowel. Collaborate with others to manage large items, such as moving a long plank safely, carrying large hollow blocks.	their products. Children can: a build simple structures, exploring how they can be made stronger, stiffer and more stable; b talk about and start to understand the simple workingcharacteristics of materials and components; c explore and create products using mechanisms, such aslevers, sliders and wheels.	in their products[for example, gears, pulleys, cams, levers and linkages]. They understand and use electrical systems in their products[for example, series circuits incorporating switches, bulbs, buzzers and motors]. They apply their understanding of computing to program,monitor and control their products. Children can: a understand that materials have both functional properties and aesthetic qualities; b apply their understanding of how to strengthen, stiffen and reinforce more complex structures in order to create moreuseful characteristics of products; c understand and demonstrate how mechanical and electrical systems have an input and output process; d make and represent simple electrical circuits, such as a series and parallel, and components to create functional products; e explain how mechanical systems such as levers andlinkages create movement; f use mechanical systems in their products.	in their products[for example, gears, pulleys, cams, levers and linkages]. They understand and use electrical systems in their products[for example, series circuits incorporating switches, bulbs, buzzers and motors]. They apply their understanding of computing to program,monitor and control their products. Children can: a apply their understanding of how to strengthen, stiffen and reinforce more complex structures in order to create moreuseful characteristics of products; b understand and demonstrate that mechanical and electrical systems have an input, process and output; c explain how mechanical systems, such as cams, create movement and use mechanical systems in their products; d apply their understanding of computing to program,monitor and control a product.

3-4 (EAD) Explore different materials freely, in order to develop their ideas about how to use them and what to make. Develop their own ideas and then decide whichmaterials to use to express them. Join different materials and explore different textures.		
Reception (CL) Learn new vocabulary. Articulate their ideas and thoughts in well- formed sentences. Use talk to help work out problems and organise thinking and activities explain how things work and why they might happen. Describe events in some detail.		
Reception (Maths) Select, rotate, and manipulate shapes in order to develop spatial reasoning skills. Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can.		
Reception (EAD) Return to and build on their previous learning, refining ideas and developing their ability to represent them. Create collaboratively sharing ideas, resources and skills.		
ELG (CL) Listen attentively and respond to what they hear with relevant questions, comments and actions when being read to and during whole class discussions and small group interactions. Make comments about what they have heard and ask questions to clarify their understanding. Hold conversation when engaged in back-and-forth exchanges with their teacher and peers. Participate in small group, class and one-to-one discussions, offering their own ideas, using recently introduced vocabulary.		

ELG (PSED) Give focused attention to what the teacher		
says, responding appropriately even when engaged in activity, and show an ability to follow instructions involving several ideas or actions.		
Explain the reasons for rules, know right from wrong and try to behave accordingly.		
ELG (PD) Use a range of small tools, including scissors, paintbrushes, and cutlery.		
ELG (EAD) Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share their creations, explaining the process they have used.		

KS₁ LKS₂ UKS₂ **EYFS** Birth to 3 (UW) Children use the basic principles of a healthy Children understand and apply the principles of Children understand and apply the principles of Explore materials with different and varied diet toprepare dishes. a healthy andvaried diet. a healthy andvaried diet. properties. They understand where food They prepare and cook a variety of They prepare and cook a variety of predominantly savourydishes using a range of predominantly savourydishes using a range of Birth to 3 (EAD) comes from Children can: cooking techniques. cooking techniques. Explore different materials, using all their explain where in the world different foods senses to investigate them. Manipulate and They understand seasonality and know where They understand seasonality and know where originate from: play with different materials. and how a variety of ingredients are grown, and how a variety of ingredients are grown, Use their imagination as they consider what understand that all food comes from reared, caught and processed. reared, caught and processed. they can do with different materials. plants or animals: Children can: Children can: understand that food has to be farmed. 3-4 (PD) grown elsewhere(e.g. home) or caught; start to know when, where and how food know, explain and give examples of Choose the right resources to carry out their is grown (such asherbs, tomatoes and food that is grown (such as pears. name and sort foods into the own plan. For example, choosing a spade to strawberries) in the UK, Europe and the wheat and potatoes), reared (such as five groups in the Eatwell enlarge a small hole they dug with a trowel. poultry and cattle) and caught (such wider world: Guide: Use one-handed tools and equipment, for as fish) in the UK, Europe and the understand how to prepare and understand that everyone should eat at example, making snips in paper with wider world: cook a variety of predominantly scissors. least five portions of fruit and vegetables savoury dishes safely and understand about seasonality, how this Start to eat independently and learning how every day and start to explain why: may affect the food availability and plan hygienically: to use a knife and fork. Show a preference use what they know about the Eatwell recipes according to seasonality: for a dominant hand. with support, use a heat source to cook Guide to design and prepare dishes. ingredients showing awareness of the understand that food is processed into 3-4 (Maths) need to control the temperature of the ingredients that can be eaten or used Begin to describe a sequence of events, real hob and/or oven: in cooking; or fictional, using words such as 'first', use a range of techniques such as demonstrate how to prepare and 'then...' mashing, whisking, crushing, grating, cook a variety of predominantly cutting, kneading and baking; savoury dishes safely and 3-4 (UW) hygienicallyincluding, where explain that a healthy diet is made up of Use all their senses in hands-on exploration appropriate, the use of a heat a variety and balance of different food of natural materials. source; and drink, as represented in the Eatwell Explore collections of materials with Guide and be able to apply these demonstrate how to use a range of similar and/or different properties. principles whenplanning and cooking cooking techniques, such as griddling, Talk about what they see, using a wide dishes: grilling, frying and boiling; vocabulary. Explore how things work. understand that to be active and explain that foods contain different Talk about the differences between healthy, nutritious foodand drink are substances, such as protein, that are materials and changes they notice. needed to provide energy for the body: needed for health and be able to apply these principles when planning and prepare ingredients using appropriate 3-4 (EAD) preparing dishes; cooking utensils: Explore different materials freely, in order adapt and refine recipes by adding or measure and weigh ingredients to to develop their ideas about how to use substituting one ormore ingredients to the nearest gramand millilitre; them and what to make. change the appearance, taste, texture Develop their own ideas and then start to independently follow a recipe; and aroma: decide which materials to use to start to understand seasonality. express them. alter methods, cooking times and/or Join different materials and explore temperatures: different textures.

	 measure accurately and calculate ratios of ingredients toscale up or down from a recipe; independently follow a recipe.

ELG (PSED) Set and work towards simple goals, being able to wait for what they want and control their immediate impulses when appropriate. One Coucad attention to what the teacher Chre Coucad attention to what the teacher Chre Coucad attention to what the teacher Grown and show an ability to follow instructions involving several ideas or actions. Be confident to try new activities and show independence, resilience and perseverance in the face of challenge. Explain the reasons for rules, know right from wrong and try to behave accordingly. ELG (PD) Use a range of small tools, including cuttery. ELG (EAD) Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function. Share where creations, explaining the process they have used.			
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