



A Guide to Progression in Design and Technology Year 1-6

(In line with the National Curriculum)



DIGITAL DOWNLOAD

About the Authors: TT Education

We're the UK's leading school improvement organisation, working with schools, academies and trusts in the UK and beyond to improve the quality of children's education.

Founded in January 2012 by David Maytham, everything we do is underpinned by the belief that every child has the right to an excellent education.

We're dedicated to enhancing life chances for all pupils by empowering teachers and leaders to create sustainable improvement in their schools through engaged learning and inspirational leadership. We help teachers and leaders make progress through our outstanding CPD courses, INSET days, consultancy, resources, digital solutions and longer-term school improvement support.

TT Education has won the School Improvement Provider of the Year award for the last two years (2018 and 2019) underlining our position as a leading provider of school improvement services, classroom materials and digital resources.



About this document

Our highly acclaimed Guide to Progression in **Design and Technology** document provides teachers with a clear framework for teaching and assessing primary **Design and Technology**. Written by current practitioners, for current practitioners, this document is fully aligned with the objectives and expectations of the National Curriculum.

TT Education's Learning Pathways: The Path to Success

What is it?

A forward thinking, innovative approach to teaching and learning in the 21st century classroom, which can be applied across all subjects to support all schools in achieving outstanding results through engaged learning. Developed by education expert David Maytham, The Path to Success is grounded in the latest educational research and first-hand experience of current teaching of real children in the primary classroom.

How is it different?

We are not advocating a scheme that schools, children and teachers have to follow in a particular order or predetermined way. In our experience, a predetermined scheme is unable to take account of all the various factors at play in any one classroom; including, but not limited to the skill set of the teacher and the ability range of the children.

The Path to Success is a circular methodology with talk, collaboration and active approaches at its heart. Its process can be applied across the curriculum, as the core techniques it embodies can be used to teach any skill or operation. Once teachers internalise this process, it has the potential to transform their practice and have a significant impact on standards.

What does it look like?

Teachers who utilise the Path to Success will develop and enrich children's ability to problem-solve, think creatively, improve their skills as learners and consequently make accelerated progress.

The Power of Talk:

"Talk is thought. It is only when you talk something through that you realise whether you have fully understood it. Talking allows us to develop our thinking, internally question our understanding and, ultimately, learn."

The Power of Active Approaches: Gamification of Learning

"In the natural world, young animals learn through play. We are familiar with this as a concept with babies and toddlers; why, then, do we reject this as children begin to grow? When an idea or concept is made into a game – something which children recognise and respond to – children begin to engage with it and take ownership over it. Gamifying learning allows children to generate ideas for themselves, cultivate their creativity, and lay the foundations for fluent learning."

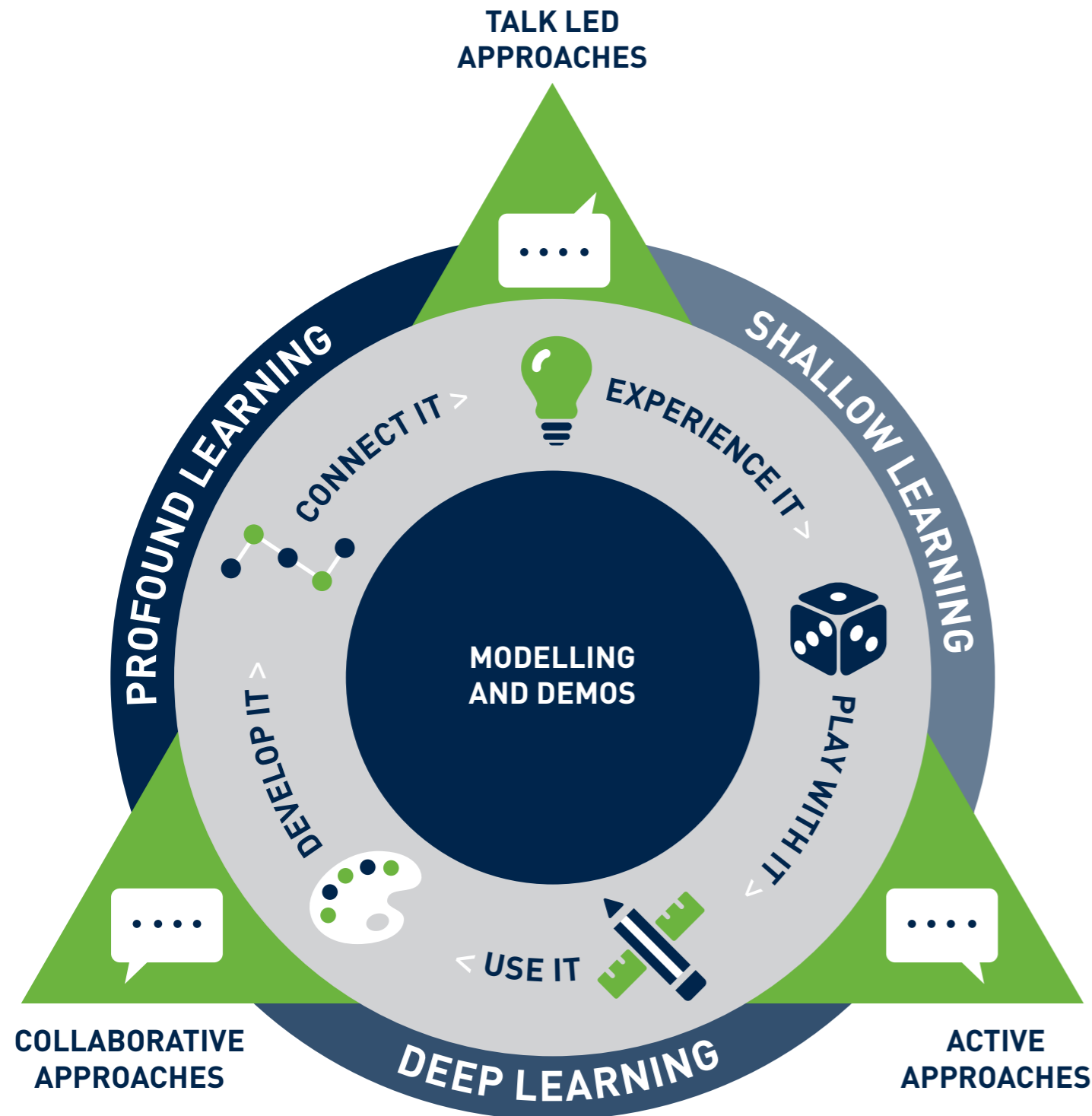
The Power of Collaboration:

"Creating a classroom climate of collaboration is crucial for the long term sustainability of learning. If we share a common purpose, we are incentivised to work together to develop our collective understanding. The barriers created by fear of personal failure are destroyed and we begin to recognise the power of our own contributions to the learning of the whole group. Not only does this create feelings of self-worth, excitement and engagement with the learning, but it also stimulates creativity and, in the discussion and development of ideas with peers, creates a deeper level of understanding."

David Maytham
Founder, Managing Director



TT Education's Learning Pathways: The Path to Success



TT Education's Learning Pathways: The Path to Success

Stage 1: Experience it

Children need **rich experiences** which they can relate to in order to support them in developing a particular skill set. For example, how can you expect children to learn to appreciate rhymes and poems if they have never experienced these rhymes and poems in a meaningful, exciting and interesting context? The challenge for us as teachers is to find a way to replicate this meaningful experience and practical application in the classroom.

“**Hook, Experience, Context and Purpose**” is a mantra we use a lot when working with schools. We ask teachers to think back to the last unit or topic they taught and then to consider the four elements of the mantra. What was the hook you used to engage, inspire and excite your children? What experiences did children bring to the activity, or how were you able to replicate experiences to make the learning link to the real world? Did you choose a context which was relevant and did all the children have a clear purpose for their learning, or was it simply ‘complete the activities on page 10’?

Stage 2: Play with it

This, in a sense, refers to the **Gamification of Learning**. The power of playing short burst games to practise key skills on a daily basis should not be underestimated. Not only do they act as a hook to excite, engage and challenge the children but they also support children in developing fluency in a particular skill: procedural efficiency alongside conceptual understanding.

Stage 3: Use It

Once children have experienced a particular skill and had an opportunity to play with it in order to fully assimilate the technique, they then move on to use it in context. Practical application in context is key to successful outcomes for children.

“**Tell me and I’ll forget; show me and I may remember; involve me and I’ll understand.**” Chinese proverb

Stage 4: Develop it

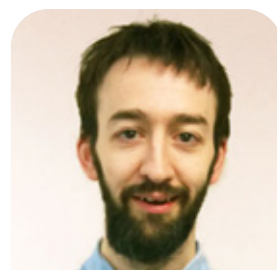
Children continue to develop the skill in context. It is absolutely crucial that all adults within the classroom, and within the school at large, position themselves alongside the children as learners, actively engaging in the learning process. High-quality modelling and demonstration should be underpinned by **an active, talk-led, collaborative learning climate**, in which children move from learners to teachers. If a child can teach a particular skill, it means they must have learnt it and are more likely to remember it. As practitioners, we should be aiming to move all our children into becoming teachers. If a child can confidently demonstrate the level of understanding necessary for them to be able to explain and teach a concept, idea or approach to another child, then in doing so they are demonstrating that their initial learning has been internalised and embedded. By this stage they are demonstrating a move from shallow surface level learning to deeper learning and understanding.

Step 5: Connect It

This refers to children making connections across the curriculum. With a deeper understanding, children will begin to make links and connections in terms of how they could apply the skill or concept they have just learnt across the curriculum and in the wider world. Making these connections and exploring possible connections moves the child from deep learning into profound learning, which will stay with them forever.

This circular approach then repeats as new skills, concepts and ideas are added. This whole approach is underpinned by talk-led, active and collaborative approaches, which provide the foundation for success.

Introduction



James Lewis
School Improvement
Partner

Our world has been built by Design Technology. From the clothes we wear and the chairs we sit on, to the computers we use and the cars we drive, we are constantly surrounded by engineered products, or the adverts that try to sell them. How do we prepare our children for that world, whether it's to join the ranks of those creators, or to be safe and critical receivers of it all?

How do we use the skills and knowledge of Design Technology to inform and develop our understanding elsewhere? How do we ensure our pupils are progressing?

This skills progression guide from TT Education is aimed at ensuring teachers have clarity and consistency in how they help pupils learn how to develop deeper understanding of design and technology – what does it take to work like an engineer or graphic designer? To access our other subjects through their eyes? We have taken the National Curriculum for DT and, having applied our experiences and understanding of learning and progression, provided you with a guide that will help structure learning effectively – and help pupils to add knowledge to their long-term memories... it will help them learn.

The national curriculum states that “Design and technology is an inspiring, rigorous and practical subject. Using creativity and imagination, pupils design and make products that solve real and relevant problems within a variety of contexts, considering their own and others’ needs, wants and values. They acquire a broad range of subject knowledge and draw on disciplines such as mathematics, science, engineering, computing and art. Pupils learn how to take risks, becoming resourceful, innovative, enterprising and capable citizens. Through the evaluation of past and present design and technology, they develop a critical understanding of its impact on daily life and the wider world. High-quality design and technology education makes an essential contribution to the creativity, culture, wealth and well-being of the nation.” [National Curriculum 2014]

The following booklet breaks down all of the elements of skills that pupils are required to develop as part of the national curriculum – and beyond, supported by our Path to Success.

We hope you enjoy this guide and find it useful in supporting your teachers understand progression in skills in DT more deeply.

Connect it...

- Use DT across the curriculum to develop, e.g. to plan and present ideas
- High quality discussion and use of visual and other design, e.g. its use in adverts, propaganda etc – link to SMSC, PSHE, RE
- Specific links to e.g. art, electricity (science), persuasion (English), enterprise (PSHE/economic education), statistics (maths, ICT)
- Link back to the experience/context that is informing your topic

Experience it...

- Ensure children experience a rich context for design around the school, e.g. posters, assemblies, film
- Trips and visits involving designers, engineers, architects - with workshops
- Pointing out the engineering and design in the children's local area to give them a context
- Link to the design/technology that is most relevant for the children (eg apps, social media, films)
- Prominent displays of children's (and staff's) work
- Ensure that children have access to the technology they might need

Develop it...

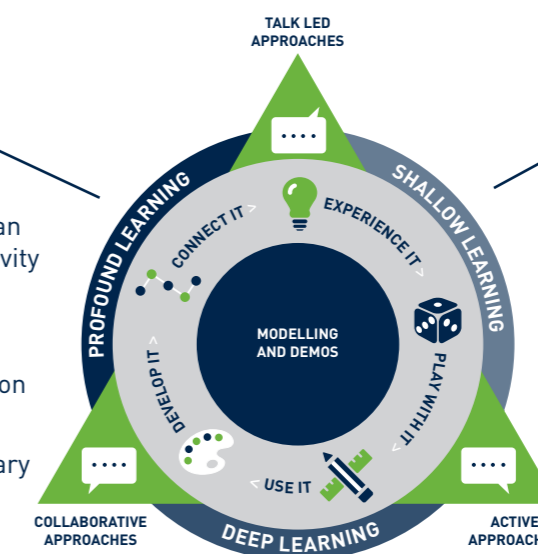
- Collaborate!
- Pupils discussing how DT skills can inform problem solving and creativity
- Discuss DT in global industry and marketing, and our response(s)
- Insist on high-quality metacognition through the iterative DT process
- Use activities to enhance vocabulary application and use of DT-based language
- Challenge, set tasks that require pupils to 'teach' about DT, or aspects of 'being a critical thinker'

Play with it...

- Chance to experiment as well as learning 'formal' techniques
- Celebrating children's creativity
- CT/TA positioned alongside the children throughout the design process
- Word association games and follow-on 'play' with vocabulary
- Design 'flash' – one day a week, share something that's interesting from a DT perspective

Use it...

- Design as stimulus for work in other areas (artistic, diagrammatic, solid etc)
- Minimum requirement for lesson time
- Opportunity for high-quality metacognitive training that can be applied elsewhere
- Evidence learning; pictures, posters, models, but also analysis in writing, posters, videos etc



DESIGN

Plan

Verbally explain their plans for design or cooking, linking to techniques and using DT vocabulary

Generate

Refer to research while talking about their product (i.e. not just its personal appeal)

Draw

Draw sketches at different points of the design process

Draw and annotate digital designs

Start to draw to scale

Start to draw 3D projections, with shading for clarity

Precision level: accurate 2D shapes (e.g. a freehand Union Jack where the internal lines intersect at the centre-point)

Develop

Politely discuss their peers' work

Willingness to alter and/or restart designs

NOTES

Notes area with horizontal lines for writing.

MAKE

Work creatively with a range of materials, with some control

Tools

Protractor, metallic tape-measure, spirit level, sandpaper

Screwdrivers (supervised)

Measure

To nearest mm, nearest 10ml, and 45° for angle

Convert between units, eg m to cm

Use scales where numbers may be missing

Make measurements on a computer design

Estimate

Start to estimate length and distance

Start to understand area

EVALUATE

Link their own and others' designs and products to their function and purpose

Start to verbalise others' opinions that differ from their own

Make choices about following advice

Showcase work

Make and discuss annotated sketches and diagrams

Use bar charts (e.g. not blocks)

COOKING

Sharps

Serrated knife with 'bridge' hold to cut onion (supervised)

Cut e.g. peppers with precision (i.e. even size)

Use peeler on apples

Use a grater for e.g. apple, carrot

Other skills

Mash potato (roughly); crush garlic

Break eggs, often not breaking yolks

Knead bread dough

Hot food

Cook food in an electric stockpot (supervised)

VOCABULARY

Use some specialist vocab in discussions

Suggested words

Chronological

Weave

Approximate

Dye

Accurate

Version

Technique

Purpose

Structure

Opinion

Mechanical

Organise

Parallel

Construct

Perpendicular

Mock-up

Perspective

Prototype

Quality

Clarify

Fabric

Raising agents

Locational

Left/right (secure use from any perspective e.g. discussing partners' work across the table)

DESIGN

Plan

Explain their plans for design or cooking in some detail, and in writing, making reference to techniques and materials/ingredients

Generate

Use research to justify the appeal of their product, and the innovativeness of their design

Draw

Draw a plan or sketch from a description

Draw simple diagrams without much guidance

Create a scale-bar

Clear projections of common 3D shapes

Precision level: careful with wrist position to avoid smudging (awareness of rubbings detritus under the page that might affect lines / measurements)

Develop

Start to suggest how their peers can improve their work

Desire to alter and/or restart designs

MAKE

Request materials or ingredients that have not been supplied

Tools

Compass

Scissors (to score); adult scissors (to cut)

Sewing needle, Stanley knife & glue gun (all supervised)

Measure

Start to understand inches & miles, stone & pounds, Fahrenheit

Measure non-rectilinear distances on a computer design

Estimate

Make reasonable estimations of length and distance; start to estimate mass, capacity and angle

EVALUATE

Verbalise others' opinions politely and consider following their advice

Start suggesting improvements to others' designs

Link products to their cultural contexts

Showcase work

Make and discuss cross-sectional and exploded diagrams

Use time graphs; discrete and continuous data

COOKING

Sharps

Use a 'bridge' hold to cut harder veg (e.g. potato)

Use peeler on potato

Use a grater for e.g. lemon zest

Other skills

Reliably break eggs without breaking yoke

Creaming fat/sugar

Hot food

Use a microwave or toaster (supervised)

VOCABULARY

Use specialist vocab, often appropriately

Suggested words

Uncertain

Program

Former

Develop

Latter

Pattern piece

Cause

Structure

Consequence

Unique

Phase

Characteristic

Trend

Convention

Continuity

Aesthetic

Medium

Series

Intricate

Circuit

Audience

Program

Impact

Locational

Make use of Mathematical language in describing shape and location (e.g. 3D shape vocab incl angle, convex etc)

Increase

Decrease

NOTES

Lined notes area

DESIGN

Plan

Plan designs in detail with preliminary studies in sketchbooks, with reference to other designs and materials they have studied

Generate

Make comments about how their product might be altered to appeal to other groups

Draw

Make an accurate design sketch from someone else's measurements and notes

Precision level: consistency within oblique/perspective projections of 3D shapes (i.e. parallel lines shown parallel or to vanishing points)

Develop

Make reasonable suggestions for how their peers might improve their work

MAKE

Request other materials and give reasons

Tools

Hammer/nails, chisel, mallet, vice (supervised)

Measure

Angle to nearest °

Calculate area; start to understand volume

Use approximate equivalences between metric and imperial

Start using linear and area measuring tools on a computer design

Estimate

Estimate length, distance, mass, capacity, angle; start to estimate temperature and area

NOTES

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

EVALUATE

Use constructive and sensitive language to suggest improvements to their peers' designs

Showcase work

Create a presentation with text/images to support them in showcasing work

Use timetables; mode and range averages

COOKING

Sharps

Use 'claw' grip to cut e.g. celery, carrot

Other skills

Mash potato to a smooth texture

Separate egg whites from yolks

Folding meringue mix

Hot food

Remove e.g. hot biscuits from a baking tray using a fish-slice (supervised)

NOTES

| |
|--|
| |
| |
| |
| |
| |
| |
| |
| |
| |
| |

VOCABULARY

Use specialist vocab appropriately

Suggested words

| | |
|--------------|-------------|
| Contemporary | Sparse |
| Prior | Exceptional |
| Subsequent | Pulley |
| Enduring | Cam |
| Dominate | Lever |
| Context | Gear |
| Complex | |

Locational

Shape vocab (incl diagonal, rotation, angle language)

DESIGN

Plan

Plan in detail with preliminary studies in sketchbooks, linking to what they have studied and explaining their choices

Generate

Make sophisticated comments about the limitations of the function and purpose of their product, with reference to different audiences

Develop

Constructively critique their peers' work and help with the improvements if appropriate

NOTES

Blank lined notes area for Design Technology.

MAKE

Tools

Saw, power tools (supervised)

Measure

Calculate area and volume

Fluency with converting units, including between metric and imperial

Accurate linear/area measuring tools on a computer design

Estimate

Make reasonable estimations of length, distance, mass, capacity, angle, area and temperature

EVALUATE

Analyse their own and others' responses to their design, making improvements if appropriate

Help improve peers' designs where that offer is welcomed

Showcase work

Use a range of supporting material to showcase their work, and take questions

Use pie charts and line graphs; mean average

COOKING

Sharps

Use large knives on hard vegetables like suede (supervised)

Hot food

Handle hot food with oven gloves (supervised)

NOTES

Blank lined notes area for Design Technology.

VOCABULARY

Start to apply vocab in sophisticated ways (e.g. cross-curricular)

Suggested words

Simultaneous

Attribute

Controversy

Authentic

Maquette

Locational

Concentric

Radial

Intersecting

DESIGN

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|--|--|---|--|---|---|
| Plan | Plan | Plan | Plan | Plan | Plan |
| Make comments about what they are going to design or cook | Give a brief overview of their plans for design or cooking, using some DT vocabulary | Verbally explain their plans for design or cooking, linking to techniques and using DT vocabulary | Explain their plans for design or cooking in some detail, and in writing, making reference to techniques and materials/ ingredients | Plan designs in detail with preliminary studies in sketchbooks, with reference to other designs and materials they have studied | Plan in detail with preliminary studies in sketchbooks, linking to what they have studied and explaining their choices |
| Generate | Generate | Generate | Generate | Generate | Generate |
| Come up with ideas for a product, and express why they like it (i.e. personal appeal) | Make comments about the function and purpose of their product, and its personal appeal | Refer to research while talking about their product (i.e. not just its personal appeal) | Use research to justify the appeal of their product, and the innovativeness of their design | Make comments about how their product might be altered to appeal to other groups | Make sophisticated comments about the limitations of the function and purpose of their product, with reference to different audiences |
| Draw | Draw | Draw | Draw | Draw | |
| Trace around simple shapes to reproduce symbols Precision level: simple shapes freehand (e.g. square but possibly with curved-out corners); colouring-in is mostly within the lines | Devise a simple diagram Begin to annotate and highlight digital designs Precision level: rectangles are accurate (e.g. corners don't curve outwards); colouring-in is within the lines | Draw sketches at different points of the design process Draw and annotate digital designs Start to draw to scale Start to draw 3D projections, with shading for clarity Precision level: accurate 2D shapes (e.g. a freehand Union Jack where the internal lines intersect at the centre-point) | Draw a plan or sketch from a description Draw simple diagrams without much guidance Create a scale-bar Clear projections of common 3D shapes Precision level: careful with wrist position to avoid smudging (awareness of rubbings detritus under the page that might affect lines / measurements) | Make an accurate design sketch from someone else's measurements and notes Precision level: consistency within oblique/perspective projections of 3D shapes (i.e. parallel lines shown parallel or to vanishing points) | |
| Develop | Develop | Develop | Develop | Develop | Develop |
| With support, discuss design criteria during the construction process | Start to volunteer comments about the design criteria while the construction process is ongoing | Politely discuss their peers' work Willingness to alter and/or restart designs | Start to suggest how their peers can improve their work Desire to alter and/or restart designs | Make reasonable suggestions for how their peers might improve their work | Constructively critique their peers' work and help with the improvements if appropriate |

MAKE

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|---|---|--|--|--|--|
| Constructions with materials that are supplied for them | Select from materials that are supplied for them | Work creatively with a range of materials, with some control | Request materials or ingredients that have not been supplied | Request other materials and give reasons | |
| Tools | Tools | Tools | Tools | Tools | Tools |
| Children's scissors Ruler / metre rule | Set square, soft tape-measure, knitting needles, crocheting sticks | Protractor, metallic tape-measure, spirit level, sandpaper Screwdrivers (supervised) | Compass Scissors (to score); adult scissors (to cut) Sewing needle, Stanley knife & glue gun (all supervised) | Hammer/nails, chisel, mallet, vice (supervised) | Saw, power tools (supervised) |
| Measure | Measure | Measure | Measure | Measure | Measure |
| To nearest 10cm (e.g. with stick painted in 5cm blocks) | To nearest cm and g Use litres and °C for temperature Scales in ones, twos, fives, tens (where the numbers are given) | To nearest mm, nearest 10ml, and 45° for angle Convert between units, eg m to cm Use scales where numbers may be missing Make measurements on a computer design | Start to understand inches & miles, stone & pounds, Fahrenheit Measure non-rectilinear distances on a computer design | Angle to nearest ° Calculate area; start to understand volume Use approximate equivalences between metric and imperial Start using linear and area measuring tools on a computer design | Calculate area and volume Fluency with converting units, including between metric and imperial Accurate linear/area measuring tools on a computer design |
| | | Estimate | Estimate | Estimate | Estimate |
| | | Start to estimate length and distance Start to understand area | Make reasonable estimations of length and distance; start to estimate mass, capacity and angle | Estimate length, distance, mass, capacity, angle; start to estimate temperature and area | Make reasonable estimations of length, distance, mass, capacity, angle, area and temperature |

EVALUATE

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|---|---|---|--|---|--|
| <p>Simple evaluation (e.g. spot similarities and differences between products)</p> <p>Follow simple advice from adults to improve their work</p> | <p>Relate products to their design criteria</p> <p>Listen courteously to views that differ from their own</p> <p>Follow advice from adults or peers</p> | <p>Link their own and others' designs and products to their function and purpose</p> <p>Start to verbalise others' opinions that differ from their own</p> <p>Make choices about following advice</p> | <p>Verbalise others' opinions politely and consider following their advice</p> <p>Start suggesting improvements to others' designs</p> <p>Link products to their cultural contexts</p> | <p>Use constructive and sensitive language to suggest improvements to their peers' designs</p> | <p>Analyse their own and others' responses to their design, making improvements if appropriate</p> <p>Help improve peers' designs where that offer is welcomed</p> |
| <p>Showcase work</p> | <p>Showcase work</p> | <p>Showcase work</p> | <p>Showcase work</p> | <p>Showcase work</p> | <p>Showcase work</p> |
| <p>Can refer to a photo or drawing while talking about their work</p> <p>Use tallies and simple tables</p> | <p>Use ICT to create a simple info-sheet about their work (e.g. text with photo)</p> <p>Use pictograms, tally charts, block diagrams</p> | <p>Make and discuss annotated sketches and diagrams</p> <p>Use bar charts (e.g. not blocks)</p> | <p>Make and discuss cross-sectional and exploded diagrams</p> <p>Use time graphs; discrete and continuous data</p> | <p>Create a presentation with text/images to support them in showcasing work</p> <p>Use timetables; mode and range averages</p> | <p>Use a range of supporting material to showcase their work, and take questions</p> <p>Use pie charts and line graphs; mean average</p> |

COOKING

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|--|--|--|---|---|---|
| <p>Sharps</p> <p>Use knives with an 11-12cm non-serrated blade (supervised)</p> | <p>Sharps</p> <p>Use knives with an 11-12cm non-serrated blade (supervised)</p> <p>Use peeler on carrots</p> <p>Use grater for cheese</p> | <p>Sharps</p> <p>Serrated knife with 'bridge' hold to cut onion (supervised)</p> <p>Cut e.g. peppers with precision (i.e. even size)</p> <p>Use peeler on apples</p> <p>Use a grater for e.g. apple, carrot</p> | <p>Sharps</p> <p>Use a 'bridge' hold to cut harder veg (e.g. potato)</p> <p>Use peeler on potato</p> <p>Use a grater for e.g. lemon zest</p> | <p>Sharps</p> <p>Use 'claw' grip to cut e.g. celery, carrot</p> | <p>Sharps</p> <p>Use large knives on hard vegetables like suede (supervised)</p> |
| | <p>Other skills</p> <p>Sieve flour</p> | <p>Other skills</p> <p>Mash potato (roughly); crush garlic</p> <p>Break eggs, often not breaking yolks</p> <p>Knead bread dough</p> | <p>Other skills</p> <p>Reliably break eggs without breaking yoke</p> <p>Creaming fat/sugar</p> | <p>Other skills</p> <p>Mash potato to a smooth texture</p> <p>Separate egg whites from yolks</p> <p>Folding meringue mix</p> | |
| | <p>Hot food</p> <p>Watch adults putting food in ovens and explain how to do it safely</p> | <p>Hot food</p> <p>Cook food in an electric stockpot (supervised)</p> | <p>Hot food</p> <p>Use a microwave or toaster (supervised)</p> | <p>Hot food</p> <p>Remove e.g. hot biscuits from a baking tray using a fish-slice (supervised)</p> | <p>Hot food</p> <p>Handle hot food with oven gloves (supervised)</p> |

VOCABULARY

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|--|--|--|---|--|---|
| Use common words and phrases relating to Design Technology | Use a wide range of everyday terms in Design Technology | Use some specialist vocab in discussions | Use specialist vocab, often appropriately | Use specialist vocab appropriately | Start to apply vocab in sophisticated ways (e.g. cross-curricular) |
| Suggested words | Suggested words | Suggested words | Suggested words | Suggested words | Suggested words |
| Product Design Technology First/second [etc] Then When Last Next Before After Drawing Painting Printing Trace Share Effect Improve Ingredients Material Savoury Sweet | Process Construction Model Later Earlier Since Period Paste Textile Collage Relief Object Style Fashion At the same time as Monitor Sew Knit Contrast Depth Layer Scale Critique Compare Levers Sliders Wheels Axles Seasoning | Chronological Approximate Accurate Technique Structure Mechanical Parallel Perpendicular Perspective Quality Fabric Weave Dye Version Purpose Opinion Organise Construct Mock-up Prototype Clarify Raising agents | Uncertain Former Latter Cause Consequence Phase Trend Continuity Medium Intricate Audience Impact Program Develop Pattern piece Structure Unique Characteristic Convention Aesthetic Series Circuit Program | Contemporary Prior Subsequent Enduring Dominate Context Complex Sparse Exceptional Pulley Cam Lever Gear | Simultaneous Attribute Controversy Authentic Maquette Concentric Radial Intersecting |
| Locational | Locational | Locational | Locational | Locational | Locational |
| Near Far Up Down Further Higher Underneath Centre Anticlockwise Position Direction Above Below Roughly Close to Older Newer | Left/right (from own perspective) Symmetrical Reflect Diagonal (i.e. sloped, not the official maths meaning) Range (not yet in technical maths sense) | Left/right (secure use from any perspective e.g. discussing partners' work across the table) | Make use of Mathematical language in describing shape and location (e.g. 3D shape vocab incl angle, convex etc) Increase Decrease | Shape vocab (incl diagonal, rotation, angle language) | |

Order information:

These guides can be purchased online by visiting:
www.tteducation.co.uk/primary-resources

Alternatively, call our team on **01206 625626**
or email - **info@tteducation.co.uk**



t: +44 (0) 1206 625626 e: info@tteducation.co.uk w: www.tteducation.co.uk

Published by TT Education Ltd. Copyright © TT Education.