

This power point contains all the KS3 road maps for DT

- Updated July 2022



Thomas Adams – Design and Technology

Key Stage 3 Curriculum Map

Rotations:
In year 7 and 8 you will be taught in a rotational basis. Therefore, by the end of the year you will have covered each area.

Year 7 Theory: In this area you will gain an understanding of materials and their properties, origins and characteristics a basic understanding of the design process and the evolution of products over time, as well as a basic understanding of sustainability, its impact on product design and the role of sustainable living.



Year 7 Textiles: In this area you will have a go at sewing. Learn different stitches and have a go at making your own card using your new knowledge.

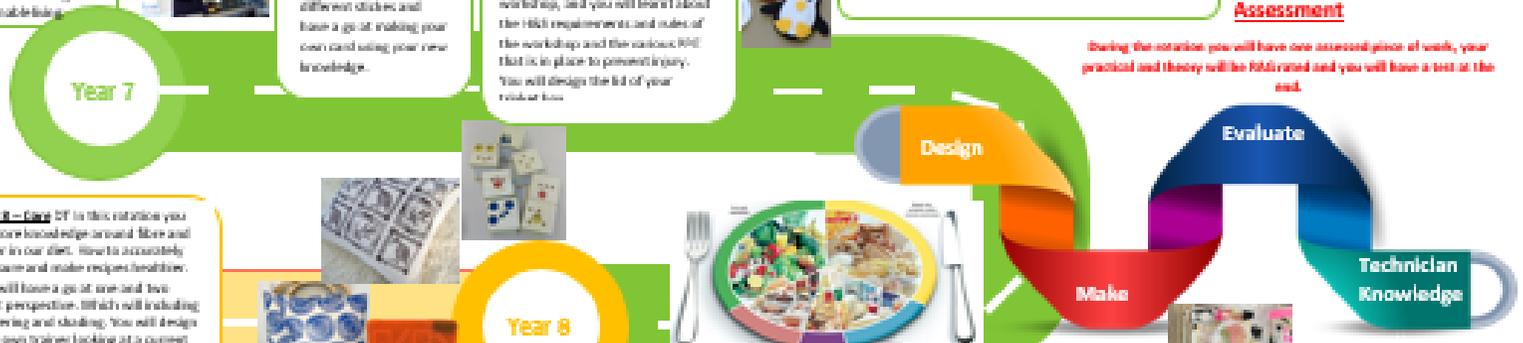
Year 7 DT Practical: In this area you will make a birdhouse project. You will have had an introduction to the workshop, and you will learn about the H&S requirements and rules of the workshop and the various PPE that is in place to prevent injury. You will design the lid of your birdhouse.



Year 7 Food: In year 7 food you will learn all the basics you need to know for the next 3 years (maybe!) You will cook a range of healthy dishes and learn about food and nutrition. You will follow all health and safety rules.

Assessment

During the rotation you will have one assessed piece of work, your practical and theory written for that area and you will have a test at the end.



Year 8 - Wood: In this rotation you will learn how to slip-dye and print your own custom designs using traditional woodcut block printing methods. You will learn how to cut out templates and establish our face-decoration. You will gain technical knowledge and skills in machine stitching and construction methods.

Year 8 - Clay DT: In this rotation you will core-looked edge-around fibre and water in our diet. How to accurately measure and make respectabilities. You will have a go at one and two point perspective. Which will including rendering and shading. You will design your own train looking at a current product on the market for inspiration.



Year 8



Year 8 - Food: In this rotation you should be able to correctly list and explain the functions and sources of all macro nutrients and micro nutrients. You should be able to explain the principles of a healthy diet and why it is important. In addition, you will be able to adapt dishes to ensure they fulfil the government led eating guidelines. In practical lessons you should cook a section of dishes using a range of medium to high level skills, from a range of food commodities.

Year 9



Year 9 - DT: In this rotation you will design and make personalised acrylic phone stand, you will gain a stronger understanding of a variety of machines in the workshop as well as 3D CAD design. You will embed the H&S information that you learnt in year 7 and have a better understanding of the rules of the workshop and the various PPE that is in place to prevent injury. You will design the body of your phone stand as well as engraving personalised details into different coloured acrylic. You will also develop an awareness of the difference between thermoplastic and thermosetting plastic and the product lifecycle throughout the project to all their in their theory understanding.

Year 9 Textiles: In this area you will complete your own journal and also design your own sustainable shirt. For students will design their T-shirt base around 20th Century decades, you will use techniques such as dip dyeing, stencils, tie dye, batik manipulation, applique to gain knowledge on sustainable and construction methods. **Design:** Also develop an awareness of external working properties.



DT Practical: In this topic you will design and create a portable amplifier. You will learn about the material and processes involved but you will also learn about important design decisions to assist you in creating a successful design criteria. You will develop your skills in responding to a context and **evaluate** your design to form a functioning high quality prototype.

Year 9 DT Practical: In this area you will complete analysis on existing similar products. Writing a detailed specification. Designing a range of ideas to meet the specification. Modelling the ideas in an iterative manner. Drawing your ideas on CAD. Using CAM / 3D tools to make the idea accurately. Injection **evaluate** the product. Vacuum forming the packaging. Designing the packaging graphics in 3D design. Isolating your product when it is complete.

Year 9 Food: In this area you should be able to correctly list and explain the functions and source of all macro nutrients and micro nutrients and understand the impact food has on our health. You should be able to discuss what influences food choices and how food impacts our health. In practical lessons you will cook a section of dishes using a range of medium to high level skills, from a range of food commodities. As part of your assessment you will be able to independently complete a dish that reflect your cooking skill level. **Make** as rehearsed and it plays.



Year 9:
In year 9 you will have the option to pick 2 areas to study for half a year. This is to prepare you for GCSE. *choices are based on a 1st come, first serve basis.

Health and Safety
Please make sure you familiarise yourself with the H&S rules in each room before commencing any practical.

Next Stop GCSE Options

Please see word document for clearer view

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Year 7 D&T Practical Curriculum Map

Year
7



Year 7 DT Practical. In this area you will make a Trinket box project you will have had an introduction to the workshop, and you will learnt about the H&S requirements and rules of the workshop and the various PPE that is in place to prevent injury. You will design the lid of their trinket box using 5 or 10mm circles.

WEEK 6

- Learn how to combine materials using adhesives
- To establish what they need to do next to progress next lesson

WEEK 5

- Understand the importance of finishes and learn how to stain the plywood inserts of your trinket box and varnish the pine lid and base.
- To establish what they need to do next to progress next lesson

WEEK 1

- To become familiar with the workshop and its risks.
- To understand the design brief for the practical project

WEEK 2

- You will learn the importance of marking out accurately to improve the quality of your outcomes (tolerances)
- To develop your sanding skills using coarse and fine glass paper and a sanding block
- To reflect on their progress in the practical lesson using their learning logs

WEEK 4

- You need to understand how to safely use the disk sander to manipulate timbers.
- To reflect on their progress in the practical lesson using their learning logs

WEEK 3

- To learn the art of filing and smoothing edges of work effectively.
- To understand how to safely use the pillar drill.
- To reflect on their progress in the practical lesson using their learning logs

WEEK 7

- You need to understand why 'textiles' is important and what impact it has on our lives.
- Appreciate how create a template for the felt keying design to make your design and manufacture quicker and more accurate.
- Learn how to cut fabric effectively using fabric scissors

WEEK 8

- To apply their knowledge of the running stitch to their work and attach all parts of their keying together.
- To apply the technique of applique.
- To understand how to manipulate fabric to create a loop in their keying.

END

This roadmap will give you a typical overview of objectives and outcomes in this rotation.

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Year 7 Introduction to Textiles Curriculum Map

Year 7 Textiles

To gain an understanding of what natural and synthetic fabrics. To be able to identify the different type of weaving methods and start to be able to construction these. To recognise and undertake a range of hand stitches. You will use these had stitches to design and make a card for a special occasion.

Year
7

- To be introduced to synthetic and natural fibres .
- To be able to identify the warp and weft
- To look at fabric construction and the methods of different weave techniques.

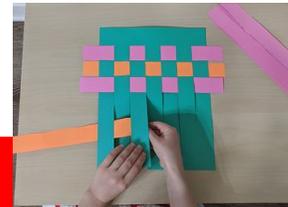
WEEK 1

- To complete a Plain weave paper sample.
- To recap the warp and weft structure and how to remember which way round this goes.
- Extension task will be to complete a twill weave.

WEEK 2

- To complete the hand stitching for the greetings card.
- Working with health and safety considerations for using the equipment needed.

WEEK 5



- To create a design idea for an occasional hand stitch card.
- The card will feature a range of hand stitches. This design idea will form the Common Accessed piece.

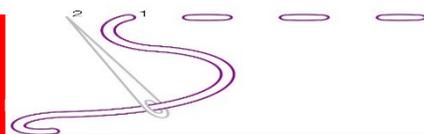
WEEK 4

- To be introduced to a range of hand stitches.
- Students will be able to identify the types of equipment needed.
- To compare the advantages and disadvantages of digital and hand stitch.

WEEK 3

- To recall and revisit prior knowledge ready for a test.
- To complete any gaps in booklets and use this theory knowledge to revise from.
- To create a revision aid to support revision for next lessons test.

WEEK 6



- To apply knowledge learnt over the core practical project to enable you to answer the test questions effectively.

WEEK 7

- To finalise the card design and complete hand stitching.
- Checking booklet work is all completed.
- You will take home final pieces.

WEEK 8

END

This roadmap will give you a typical overview of objectives and outcomes in this rotation.



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Year 7 Food Practical Curriculum Map

**Year
7**



Year 7 - Food In year 7 food you will learn all the basics you need to know for the next 3 years (maybe7!) You will cook a range of health dishes and learn about food and nutrition. You will follow all health and safety rules.

WEEK 6

Theory -Eat Well Guide and seasonality

- To understand why we need different nutrients in our body
- To explain what happens if we have too much or too little (discussion)

WEEK 5

Cooking- Crispy Chicken

- To develop and learn new practical skills by chopping, coating and using an oven.
- To learn how to store, prepare and cook a high risk food safely
- To develop an understanding of side dishes they could serve with the chicken pieces

WEEK 1

- To become familiar with the Kitchen and its risks.
- Collect a recipe card and go through chilli peppers homework.

WEEK 2

Cooking – Pasta Salad

- To build/ gain basic chopping skills.
- 2. To understand to room layout and where things are.
- 3. To understand how to wash up safely.



WEEK 4

Cooking - Jam Tarts

- To learn how to make shortcrust pastry.
- To follow all health and safety rules.



WEEK 3

Cooking Tuna Balls

- Using the hob or oven safely.
- To follow all health and safety rules
- Learn how to work with fish

WEEK 7

Revise and test week.

- Reflecting on what you learned you will use this lesson the demonstrate your knowledge



WEEK 8

Cooking Scones

- Using the rubbing method and building confidence using the oven safely.
- To follow all health and safety rules

END

This roadmap will give you a typical overview of objectives and outcomes in this rotation.

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Year 7 Core Theory Curriculum Map

**Year
7**

Year 7 Core Theory

In this area you will gain an understanding of materials and their properties, origins and characteristics; process and the evolution of products over time, as well as a basic understanding of sustainability, its impact on product design and the 6Rs of sustainable living.

- To understand what the term 'properties' means.
- To develop an awareness of a range of 'properties'.
- To apply your knowledge of properties a range of materials / products.

WEEK 1



- To know that there are 3 types of timber.
- To understand the differences between the types.
- To develop an awareness of the types of timbers and their uses, stock forms and finishing methods.

WEEK 2

- To recall and revisit prior knowledge ready for a test.
- To complete any gaps in booklets and use this theory knowledge to revise from.
- To create a revision aid to support revision for next lessons test.

WEEK 5

- To become familiar with some of the most iconic designs known to us.
- To understand how a product can become a "design icon".

WEEK 4



- To know that there are 2 types of polymer.
- To understand the differences between the types.
- To develop an awareness of the types of polymers and their uses.

WEEK 3

- To apply knowledge learnt over the core practical project to enable you to answer the test questions effectively.

WEEK 6

- To know that there is a difference between paper and board.
- To understand how paper and board is made.
- To develop an awareness of the types of paper and boards and their uses.

WEEK 7

- To understand what being 'sustainable' is.
- To develop an awareness of the 6R's.
- To analyse how sustainable a product is using the 6Rs.

WEEK 8

END

This roadmap will give you a typical overview of objectives and outcomes in this rotation.



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Year 8 D&T African Textiles Block Printed Cushion Curriculum Map

Year
8



You will be designing and making a cushion inspired by African Textiles. You will get to try out a range of tie dye patterns. You will learn how to embellish using hand beading, and you will create traditional wooden block printing patterns. Exploring different repeat pattern methods. You will learn how to use and control the sewing machines to construct your own cushion designs.

WEEK 6

- You will complete your tie dye on your final cushion design, which you will go onto add your block printing too.
- You will make as start on your embellishment, and construction techniques.
- You will complete a introduction to the sewing machines and machine driving test!

WEEK 5

- To present and evaluate the tie dye samples you explored, this will help you choose a technique for your final piece.
- Be introduced to embellishment techniques such as buttons and beads and how these can be added to your printed designs.
- You will complete samples showing your embellishments techniques.



WEEK 7

- You will be completing the embellishments on your final cushion and finalising the construction through the sewing machine running stitch.

WEEK 1

- You will be introduced to the health and safety considerations in the Textiles workshop.
- You will discuss 'What is Textiles' and how it impacts our lives.
- You will analyse examples of traditional African Textiles, and brainstorm ideas based around these.

WEEK 4

- You will use evaluation skills to assess the samples made, you will then use your mood board to help begin the design process.
- You will work on a peer task to broaden and challenge a design idea further, this will lead to a final design.
- You will complete tie dye samples of of marble, dip dye, and circle.

WEEK 8

- You will learn how to effectively evaluate your final outcome and any improvements that will be made.
 - You will peer review, and completing manufacturing guide.
- + END OF UNIT TEST

WEEK 2

- You will be introduced to three different types of repeat pattern, block, half brick, half drop. You will then design your own repeat pattern using a African inspired motif, adding colour.
- Homework task will be set based around a mood board.

WEEK 3

- To explore some block printing sample pieces using fabric paints, wooden blocks and calico fabric, you will have a go at block printing using a range of wooden blocks.
- You will gain knowledge in how to get a good quality print and the materials and equipment needed to use block printing.

END

This roadmap will give you a typical overview of objectives and outcomes in this rotation.

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Year 8 D&T Acrylic Phone Stand Curriculum Map

Year
8

Year 8 – DT In this rotation you will design and make a personalised acrylic phone stand, you will gain a stronger understanding of a variety of machines in the workshop as well as 2D CadCam design. You will embed the H&S information that you learnt in year 7 and have a better understanding of the rules of the workshop and the various PPE that is in place to prevent injury. You will design the body of your phone stand as well as engraving personalised details into different coloured acrylic. You will also develop an awareness of the difference between thermoplastic and thermosetting plastic and the product life cycle throughout the project to aid them in their theory understanding.

WEEK 1

- You learn how to analyse other products on the market and evaluate their strengths and weakness
- You'll learn to identify specific target markets and consider a clients needs and wants

WEEK 2

- You will learn about how to generate a detailed design specification based on your observations and research.
- You will establish a series of tests and evaluation exercises to confirm the success of your final manufactured prototype

WEEK 3

- You will learn how to create a range of designs for your client based on their needs and your specification points.
- You will learn how to effectively communicate your ideas through drawing, annotations and rendering skills
- You will model your ideas to test their effectiveness and make improvements.

WEEK 4

- You will refresh workshop health and safety from year 7
- You will learn how to translate drawings into 2D design on the computer
- You will develop a range of computer skills to have a better understanding of the software

WEEK 5

- You will continue to build upon and further develop your understanding of safe working in the workshops
- You will apply quality control measures such as templates to help you manufacture accurate components to suit your phone size specifically

WEEK 6

- You will learn how to further manipulate lines on 2D design to create different shapes and sizes
- You will explore how you can develop your design further by personalising it with engraving
- You will continue to be reflective and log progress in you practical learning log.

WEEK 7

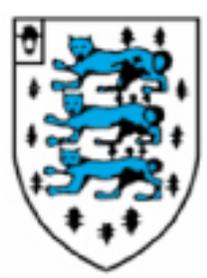
- You will learn how to use specialised machinery to manipulate the direction of the plastic
- You will continue to be reflective and log progress in you practical learning log.

WEEK 8

- You will learn how to effectively evaluate your outcomes by testing against your specification and gaining client feedback.
 - You will suggest improvements and modifications based on this analysis
- + END OF UNIT TEST

END

This roadmap will give you a typical overview of objectives and outcomes in this rotation.



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Year 8 D&T Food and Nutrition Curriculum Map

Year 8

Year 8 In Food and Nutrition you are building on your knowledge from year 7 around food preparation and healthy eating. During your time in Food you will learn about where food comes from, how to prepare and cook a wide variety of foods, ingredients and their uses and nutrition. At the end of the rotation you will be planning and cooking a dish independently for an assessment piece of work

WEEK 2

- **Theory: Nutrition: you will learn what Macro and Micro nutrient are and why we need them in our diet to keep healthy**
- **Practical: Fruit Crumble: Demonstrate 'rubbing in' skill and fruit preparation**

WEEK 1



- **Theory: You will learn how to stay safe in the kitchen and how to keep food safe to eat**
- **Practical: Spaghetti Bolognese. How to ensure minced meats are cooked in a safe way to reduce food poisoning**

WEEK 3

Theory : You will learn more on food hygiene including how to store, prepare and cook food to make sure food is safe to eat

WEEK 4



- **Theory: In this lesson you will understand where food comes from and what's its impact on the environment**
- **Practical : Pizza, How to make a basic bread dough and how to grate cheese and vegetable preparation**

WEEK 6

- **Theory: You will understand what seasonality is and why its important to eat seasonal foods**
- **Theory: In this lesson you will learn how to write a time plan. You will then plan your independent dish using this skill ready for assessment (*assessed piece of work*)**

WEEK 5

- **Theory: You will understand what a raising agent is and how it is used in different food products**
- **Practical. Swiss Roll – egg aeration as a raising agent. How to prepare one type of cake making method**



WEEK 7



Theory : In this lesson you will learn about protein in the diet, why its needed, healthy sources and where it comes from

Practical : Oat biscuits - pupils will learn how to cook a dish with oats a healthy source of carbohydrates

WEEK 8

Theory : In this lesson you will learn why some people need or choose to follow a different types of diets

Practical: Independent dish assessment day (*assessed piece of work*)

END

This roadmap will give you a typical overview of objectives and outcomes in this rotation.

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Year 8 Key Skills in DT Curriculum Map

Year 8 – DT In this rotation you will core knowledge around fibre and water in our diet. How to accurately measure and make recipes healthier. You will have a go at one and two point perspective. Which will including rendering and shading. You will design your own trainer looking at a current product on the market for inspiration.

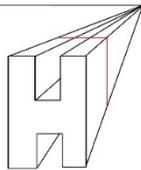
Year 8

You will learn the basics about nutrient digestion.
You will have an understanding why we need fibre in our diets.
You will learn about water in our diet.

WEEK 1

You will build on your knowledge and recall key facts regarding weights and measuring. You will complete some mini activities re weights and measuring.
You will learn how to adapt a recipe to make it healthier and smaller.

WEEK 2



- You will learn to understand how shading and rendering can enhance your drawing work.
- You will be able to apply the principles of shading and rendering to add depth and interest to your work.
- You should be able to show a range of materials through rendering skills

WEEK 5

- You will learn to understand what one and two-point perspective is.
- You will be able to apply the principles of one and two-point perspective into your own work

WEEK 4

Assessment week - You will complete an assessment Based on your learning from the last couple of lesson. This will be done in class.

WEEK 3

- You will be able to identify a range of smart textiles and how it can be embedded into garments and fabrics.
- You will design your own bag or jacket for the teenage market which has smart technology's built in.

WEEK 6

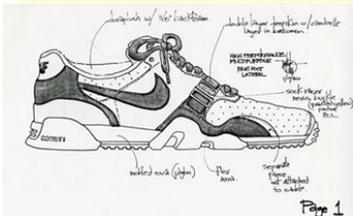
- You will analyse current modern trainers through ASSESS FM
- You will use this information to design a 2050 trainer of the future. Considering how smart technology will be used in the future.

WEEK 7

- You will learn how to effectively evaluate your outcomes
- + END OF UNIT TEST

WEEK 8

END



This roadmap will give you a typical overview of objectives and outcomes in this rotation.



A ruck sack for a cyclist



A Jacket for a teenager

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Year 9 D&T Textiles T-Shirt Customising and Design Journal Curriculum Map

WEEK 2

Year
9



WEEKS 9-10

- You will learn how to design and use fashion templates to create fashion illustrations combining your surface pattern techniques in your design journals.
- You will be introduced to fabric manipulations such as ruffles, pleats and Suffolk pouches.

WEEKS 11-12

- You will tie dye your T-shirt for your final customised piece.
- You will be applying technical skills you have learnt and documented to decorate and embellish the shirt, you will combine a range of techniques.



WEEK 1

- You will learn how about your design brief for the rotation based around Decades. You will brain storm ideas on different decades.
- You will begin by making surface pattern techniques in your design journals. Focus on colour mixing and brusho inks.

- You will explore mark making qualities through fine liner, drawing and mixed media to create a range of technical samples.
- You will learn how to add shape and form to a surface which will help when you come to design ideas.

WEEKS 5-8

- You will learn how to use image transfer and how you can apply these using the Heat press
- You will be trained in health and safety on using the press and transfers.
- You will complete embellishment techniques such as beading, buttons, studs and applique and review each process.

WEEK 4

- You will be exploring tie dye methods on samples looking at marble, dip dye and circle techniques.
- You will complete an evaluation and review of the techniques and any improvements that could be made.

WEEK 3

- You will analyse techniques such as hand stitch v's Digital stitch and what the advantages and disadvantages to the processes –you will the complete a sample for both types of stitch.

WEEKS 13-15

- You will finalise your final outcome with your embellishment ready to present a mini fashion show of all final pieces.
- You will evaluate the final outcomes and complete design review in your booklets.
- + END OF UNIT TEST

END

This roadmap will give you a typical overview of objectives and outcomes in this rotation.

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Year 9 D&T Amplifier Curriculum Map

Year
9

WEEKS 9-10

- You will create and manufacture the housing for your amplifier in the workshop.
- You will build on a range of workshop skills, health and safety and quality control.
- You will start to learn about electronic systems and inputs, processes and outputs

WEEKS 11-12

- You will manufacture a circuit and learn how to solder components, read circuit diagrams and complete these tasks safely in the workshop.
- You will complete practical with appropriate finishes and complete a final assembly.

DT (Practical) In this topic you will design and create a portable amplifier. You will learn about the material and processes involved but you will also learn about important design decisions to assist you in creating a successful design criteria. You will develop your skills in responding to a context and realising your design to form a functioning high quality prototype.

WEEKS 5-8

- You will learn a Computer Aided Design (CAD) package to create the front of the amplifier from acrylic cut on the laser cutter.
- You'll learn and experience how to operate the laser cutter safely

WEEKS 13-15

- You will learn how to effectively evaluate your outcomes by testing against your specification and gaining client feedback.
- You will suggest improvements and modifications based on this analysis
- + END OF UNIT TEST

WEEK 1

- You learn how to analyse a context to create design opportunities
- You'll build on specific research skills in D&T including client profiling, mood boards and

WEEK 4

- You will develop your skills in presentation and communication of ideas by looking at a range of drawing methods.
- You will produce a range of ideas for the amplifier to present to you client.

WEEK 2

- You will learn about technology push, market pull and how these affect the evolution of products.
- You will learn how to social, ethical and cultural issues affect design outcomes
- You will improve your understanding of client needs and wants through a questionnaire.

WEEK 3

- You will analyse your research and compile a specification to design and develop your amplifier prototype

END

This roadmap will give you a typical overview of objectives and outcomes in this rotation.

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Year 9 D&T Food and Nutrition Curriculum Map

WEEK 3

Year
9

In this food and nutrition rotation you will learn the essential knowledge of how to choose a healthy diet and about diets others follow. You will look at commodities, how they are made and their uses in food. You will build practical cooking skills concluded in an assessment where you choose your own dish to make demonstrating your skills

WEEK 1

To understand how to remain safe in the kitchen, how to prevent food poisoning

WEEK 2

To know what a micronutrient and a macronutrient and be able to give a function of both a vitamin and a mineral
Preparing a Pasta salad incorporating vegetables using knife skills, boiling and simmering

To understand the benefits of incorporate more fruit and vegetables into the diet and how to produce a basic cake in preparation for making muffins
To prepare cut and season meat and vegetable to make Fajitas



WEEK 7

You will understand the value of fats in the diet, which fats are healthy and the sources and which fats contribute to an unhealthy lifestyle
This week you will make Chilli Con Carnie demonstrating cooking mince meat and simmering to thicken a sauce



WEEK 6

You will learn why energy linked to nutrition is important and the danger of free sugars in foods
Cook a Tuna pasta bake using make a béchamel sauce base

WEEK 5

Understand how cheese is made and how its flavor is developed, also how to use it in food products
You will demonstrate you can make a Lemon Cheesecake using cheese and a setting agent

WEEK 4



To have a wider knowledge of what can influence what we choose to eat and what is available to us in our diets
Making Healthy Muffins to add a portion of fruit or vegetables into the diet

WEEK 8

This week you will learn about different diet that people follow for ethical and medical reasons and why people rule out certain foods
This week you will be looking at other cultures ingredients by making Thai Curry



WEEKS 9 -11

You will learn each method of cake making, the nutrition in each ingredient, types of icing for cakes and how to handle them. You will create a time plan that you can follow independently to create a cake of your own and then bake your own cake as part of Bake Off

WEEKS 11-15

assessment weeks

Pupils to reflect on their knowledge gain over the Food Rotation and independent look for a dish that meets the Eatwell guide and reflects healthy eating habits. You will be planning and cooking a dish for assessment in an hour independently using your practical skills and food hygiene knowledge. You will then complete an evaluation of the dish
+ revision and end of unit test

END

This roadmap will give you a typical overview of objectives and outcomes in this rotation.

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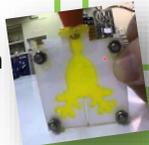
Year 9 D&T Cable Tidy Curriculum Map

Year
9

DT (CAD/CAM & Graphics) In this topic you will design and create a cable tidy and packaging. You will learn about the materials and processes involved but you will also learn about iterative design and creating an idea to meet a specification. You will develop your skills in responding to a context and realising your design to form a functioning high quality packaged prototype using CAD / CAM.

WEEKS 8-9

- You will learn about the 'Injection Moulding process' comparing it to industry and in the workshop.
- You will apply this knowledge to producing your own injection moulded piece.
- You will file and smooth the edges to create a high quality finish.



WEEKS 6-7

- Workshop – you will begin making the MDF version of your cable tidy. Using your CAD cut piece for a template.
- You will also develop your hand tool skills of shaping and finishing timber. Coping Saw, Disk Sander, Files and Glass Paper.



WEEK 1

- You learn how to analyse a context to create design opportunities
- You'll build on specific research skills in D&T including client profiling, mood boards and product analysis.

WEEK 2

- You will focus this week on using your research to develop creative ideas to fit your brief.
- You will practice 'iterative design' and gain feedback from other users to help you develop your ideas further.



WEEK 3-4

- You will begin to draw up your ideas on CAD software, 2d design developing your basic skills on the computer software.

WEEK 5

- You will learn how to cut your template ideas out on the laser cutter.
- You will develop a good understanding of the workings of the laser cutter and its capabilities.

END

WEEKS 10-11

- You will develop your understanding of the 'purpose of packaging'.
- Begin applying this knowledge to create your own packaging for your set of cable tidies.
- Create your packaging by adding colour, shapes and text to your CAD skills on 2 design.

WEEKS 11-13

- Develop your Vacuum Former knowledge and understanding.
- Create the packaging for your product.
- Laminate the art work to your packaging.
- Vacuum form your product to suit your packaging.
- Quality finish your product and evaluate its successes / areas for development.



This roadmap will give you a typical overview of objectives and outcomes in this rotation.