



Computing and Technology



Welcome to the Computing and Technology Solutions. Please follow the links in the Solution section below to access the resources.

Computing

The areas of development are:	Solution
<ul style="list-style-type: none">understanding the risks of mobile phone use and social networking	<ul style="list-style-type: none">explore the Kidsmart website to learn about the "Being SMART rules" when using digital tools and the Internet to socialise
<ul style="list-style-type: none">understanding issues in computing such as e-safety, the environment and legislation	<ul style="list-style-type: none">access the ICT and the law revision notes on Doodle
<ul style="list-style-type: none">understanding of how the Central Processing Unit works	<ul style="list-style-type: none">BBC Bitesize: Central Processing Unit
<ul style="list-style-type: none">understanding different types of storage	<ul style="list-style-type: none">access the Different Types of Storage Devices PowerPoint on Doodle
<ul style="list-style-type: none">creating flowcharts to control mimics, such as traffic light systems	<ul style="list-style-type: none">BBC Bitesize: System Flowcharts
<ul style="list-style-type: none">using different algorithms search as Binary Search and Bubble Sort	<ul style="list-style-type: none">BBC Bitesize: Algorithms
<ul style="list-style-type: none">identifying and describing the purpose of a business	<ul style="list-style-type: none">BBC Bitesize: What is a business?
<ul style="list-style-type: none">explaining business ownership structures	<ul style="list-style-type: none">BBC Bitesize: Forms of Business Ownership
<ul style="list-style-type: none">creating a basic business plan	<ul style="list-style-type: none">BBC Bitesize: Why set up a business

Food Technology

The areas of development are:	Solution
<ul style="list-style-type: none">demonstrating safe working practices in food technology	<ul style="list-style-type: none">build knowledge at home by helping prepare and cook meals
<ul style="list-style-type: none">selecting and using a variety of equipment when manufacturing dishes	<ul style="list-style-type: none">build knowledge at home by using different equipment and follow on practical lessons to familiarise yourself with different equipment and their uses

<ul style="list-style-type: none"> carrying out a number of knife skills when preparing fruits, vegetables and meats 	<ul style="list-style-type: none"> practise knife techniques at home and in practical lessons Food Preparation and Nutrition textbook: Vegetable cuts, page 15
<ul style="list-style-type: none"> applying the skills of combining and shaping ingredients when manufacturing dishes 	<ul style="list-style-type: none"> practise various combining and shaping techniques during practical lessons and develop these skills through practice at home
<ul style="list-style-type: none"> using technical skills to make, shape and finish dough based products 	<ul style="list-style-type: none"> practise making various doughs in practical lessons including bread and pastry and develop these at home
<ul style="list-style-type: none"> being aware of all hygiene practices necessary for the safe production of food products 	<ul style="list-style-type: none"> watch the video link: Food Safety - Good Food Hygiene
<ul style="list-style-type: none"> appreciating the current guidelines for a healthy diet and applying knowledge to create balanced meals using the eat well guide 	<ul style="list-style-type: none"> Examining Food and Nutrition by Jenny Ridgewell, pages 48 - 77 NHS website: The Eatwell Guide
<ul style="list-style-type: none"> recognising the dangers of too much sugar, fat and salt in a diet and knowing how to make healthier choices when cooking 	<ul style="list-style-type: none"> The British Heart Foundation website: Sugar, Salt and Fat Health Care, Beauty and Fashion Blog: Side Effects of too much Sugar, Salt, Fats and Trans Fats in Diet
<ul style="list-style-type: none"> understanding the difference between macro and micro nutrients, their function and sources 	<ul style="list-style-type: none"> Healthy Kids Association website: Macronutrients Fitday website: Micronutrients : What they are and why they are essential
<ul style="list-style-type: none"> identifying and understanding the labelling information found on commercially produced food products 	<ul style="list-style-type: none"> British Heart Foundation website: Sugar, Salt and Fat
<ul style="list-style-type: none"> appreciating where and how ingredients are grown or reared and describing what environmental issues are associated with food production 	<ul style="list-style-type: none"> BBC Bitesize website: Environmental and ethical factors
<ul style="list-style-type: none"> understanding the functional and chemical properties of food and the scientific principles that alter the working characteristics during the manufacture of dishes 	<ul style="list-style-type: none"> watch a selection of PowerPoint presentations, read a number of fact sheets and complete student worksheets on the following website: Food a fact of Life: Functional properties of food

Design and Technology

Solution
<ul style="list-style-type: none"> further information and support can be found on Technology Student website (using the Design and Technology subject area)
<ul style="list-style-type: none"> revision guides can support your understanding of these topics
<ul style="list-style-type: none"> develop your understanding using the Design and Technology textbook (a copy of this is in the library)

- | |
|---|
| • further information and support can be found by using GCSEPod (Use the D&T subject area as well as old specification materials) |
| • further information and support can be found on Doddle (using Design and Technology subject area) |
| • BBC Bitesize website |
| • complete practice questions which link to the topics covered in lessons to support revision for the progress test |

[Return to Year 7 Solutions Homepage](#)