

<b>Week/ Term</b>	<b>Focus</b>	<b>Summary</b>	<b>Learning Objective</b>	<b>Independent learning +Parental involvement</b>
1A	Learning the garden tools and how to use them and care for them Unit Safety use of hand tools <b>110448</b>  <b>Unit 110850</b>	Learning about the different types of tools used in Agriculture	Students to have an understanding of the different kind of tools, used in agriculture, and how they are used in agriculture practice.	<a href="https://www.youtube.com/results?search_query=introduction+to+garden+tools+">https://www.youtube.com/results?search_query=introduction+to+garden+tools+</a>
2	Agriculture on St Helena  <b>Unit 111968</b>	Types of agriculture practice on St Helena and the location they takes place	Students to gain an understanding of the different types of Agriculture that take place on St Helena	Parents to talk to their children about the different Agriculture practices that takes place around the Island
3	Agriculture and why is it so important	Why is agriculture important	Students to gain an understanding of why Agriculture is important in today's world	Encourage students to talk to some of the old farmers on Island
4	<i>Visit to farm buildings to look at the piggery and then on to Yon's Chicken farm and Scotland sheep</i>			
5	What is soil made up of	Students will be shown the different types of soil	Students will gain and understanding of the different types of soil , sand , silt clay and loam soil And what is the best soil for farmers.	<a href="https://www.youtube.com/watch?v=5yA6BZjsTZg">https://www.youtube.com/watch?v=5yA6BZjsTZg</a>
6	Practical soil testing	Students will carry out and experiment on how soil drain.	Students will gain an understanding about the different textures of soils and what is a soil profile	<a href="https://www.youtube.com/shorts/L0gx18QHse8">https://www.youtube.com/shorts/L0gx18QHse8</a>
7	Soil Health <b>Unit 120816</b>	Importance factors of good soil health. Factors to improve soil health. Factors that could damage soil health	Students will gain an understanding of good soil health and how it affect plant growth  What factors is needed to improve soil health, and what factors could damage soil health.	Local farmers input: students to interview a farmer in there district and give feed back to the lesson.

<b>Week / Term 1B</b>	<b>focus</b>	<b>summary</b>	<b>Learning objective</b>	<b>Independent learning</b>
1	How Soil drain Unit 120816	Students to carry out a practical to learn how soil drain	From the experiment students will gain knowledge on the types of soil and how water drain through soil	<a href="https://www.youtube.com/watch?v=Be2tXVfmbj8">https://www.youtube.com/watch?v=Be2tXVfmbj8</a>
2	Soil organisms'	Learning about the types of insects that live in the soil and the benefits they play	Students will gain knowledge on the different soil organisms and the role they play in aerating the soil	<a href="https://www.youtube.com/watch?v=QLXgpf0BSio">https://www.youtube.com/watch?v=QLXgpf0BSio</a>
3	Soil fertility	Soil samples of different PH universal indicators.  Chart for indicators RSB1 page 22/23	Students to gain an understanding on the soils PH levels and how to carry out the test, gaining an understanding of nutrient deficient in plants	<a href="https://www.youtube.com/watch?v=wNKmHk-L2NO">https://www.youtube.com/watch?v=wNKmHk-L2NO</a>
4	Soil Erosion	Refer to soil erosion on St Helena. show students of soil erosion samples	To gain knowledge on the different types of soil erosion caused by agents, their causes and controls.	<a href="https://www.youtube.com/watch?v=BoSUEIkK_Y4">https://www.youtube.com/watch?v=BoSUEIkK_Y4</a>
5	The water cycle and methods of irrigation	Describe the methods of irrigation  Describe the water cycle	Students to gain an understanding of the water cycle.  And an insight into irrigation, learning the methods of irrigation.	<a href="https://www.youtube.com/watch?v=e35SQccvJg0">https://www.youtube.com/watch?v=e35SQccvJg0</a>
6	<b>AQA Unit 70877</b> Introduction to gardening	<i>Practical sessions students research</i>	<i>Students will be shown how to plant there garden according to the size of seed and spread of crops</i>	<i>Talk to parents and develop a small kitchen garden at home to practice the skills learnt</i>
7	Growing Vegetables <b>AQA Unit 70865</b>	<i>Practical sessions and students research</i>	<i>As above</i>	<i>As above</i>

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<b>Week / Term</b> <b>2A</b>	<b>focus</b>	<b>summary</b>	<b>Learning objective</b>	<b>Independent learning</b>
1	<i>N.P.K and fertilizers used by farmers</i>	<i>N.P.K what is it and the importance in has in a plants life</i>	Students should know the effect of deficiencies of N, P and K on plant growth and development the effect of excesses of N on plant growth and development	<a href="https://www.youtube.com/watch?v=iFc7YByFleo">https://www.youtube.com/watch?v=iFc7YByFleo</a>
2	<i>Weed and weed control</i>	<i>What is a weed and how to control a weed</i>	<i>To gain and understanding of what is a weed and how weeds can affect plant growth</i>	<a href="https://www.youtube.com/watch?v=aGbVkvFyTM">https://www.youtube.com/watch?v=aGbVkvFyTM</a>
3	<i>What is Protected clothing</i>	Why should Farmers wear protective clothing when spraying with chemicals?	To gain and understanding of the hazards associated with practical situations in crop production	<a href="https://www.youtube.com/watch?v=KyM9g5oOP6s">https://www.youtube.com/watch?v=KyM9g5oOP6s</a>
4	ANRD Section to give a talk on chemical and spraying of crops	<i>To understand the different insecticide and herbicide sprays</i>	<i>Students to gain knowledge on the different kinds of chemicals use for spraying, and the amount needed for the size of crops</i>	<a href="https://www.youtube.com/watch?v=IH_8N9HRsys">https://www.youtube.com/watch?v=IH_8N9HRsys</a>
5	Crop Rotation	<i>What is crop rotation and the importance of rotation</i>	<i>To gain and understanding of crop rotation and the importance of rotation to include the growth of legume.</i>	<a href="https://www.youtube.com/results?search_query=crop+rotation+gcse+biology">https://www.youtube.com/results?search_query=crop+rotation+gcse+biology</a>
6	AQA 75721	<i>Understanding of plant and animal cells</i>	To gain and understanding of cell in plants and animals	
7	<i>Practical : Making a plant cells</i>			

<i>Week /Term 2B</i>	<i>focus</i>	<i>summary</i>	<i>Learning objective</i>	<i>Independent learning</i>
1	<b>Unit Number 108621</b> <i>Keeping plants alive Entry level Summary sheets</i>	<i>Understanding why plants need water and how photosynthesis helps plants to grow</i>	<i>To gain knowledge of: The fact that plants need water, light and warmth in order to grow well.</i>	<a href="https://www.youtube.com/watch?v=u46A0WKp2nk">https://www.youtube.com/watch?v=u46A0WKp2nk</a>
2	<b>Unit Number 108621</b> <i>Keeping plants alive Entry level Summary sheets</i>	<i>Learning about the root systems in plants</i>	<i>To gain knowledge about root of a plant (explain phloem and xylem vessels.</i>	<a href="https://www.youtube.com/watch?v=jgkloqNMN4Y">https://www.youtube.com/watch?v=jgkloqNMN4Y</a> <a href="https://www.youtube.com/watch?v=DhyYtT1K844">https://www.youtube.com/watch?v=DhyYtT1K844</a>
3	<b>Unit Number 108621</b> <i>Keeping plants alive Entry level Summary</i>	<i>Looking at soil, compost and manure. Discussion on what each types of soil is good for plant growth</i>	<i>To gain an understanding of how central heating and draughts can affect a houseplant</i>  <i>The main differences between soil, compost and manure students to produce a leaflet</i>	<a href="https://www.youtube.com/shorts/FG0twOVBSOY">https://www.youtube.com/shorts/FG0twOVBSOY</a> <a href="https://www.youtube.com/watch?v=P7w-0rwBmgM">https://www.youtube.com/watch?v=P7w-0rwBmgM</a>  <a href="https://www.youtube.com/watch?v=UgtYSJq0lko">https://www.youtube.com/watch?v=UgtYSJq0lko</a>
4	<b>Unit Number 108621</b> <i>Keeping plants alive Entry level Summary sheets</i>	<i>Practical on Pruning plants and the importance of pruning</i>	<i>To gain and understanding on pruning plants, and how to carry out pruning.</i>	<a href="https://www.youtube.com/watch?v=jj4ywJNeCqU">https://www.youtube.com/watch?v=jj4ywJNeCqU</a> <a href="https://www.youtube.com/watch?v=nuF411tf1x0">https://www.youtube.com/watch?v=nuF411tf1x0</a>
5	<b>Unit Number 108621</b> <i>Keeping plants alive Entry level Summary sheets</i>	<i>Pest and diseases in plants and how they could be managed</i>	<i>Students to produce a leaflet for the local farmers to cover : At least three pests and diseases of plants, e.g. greenfly, caterpillars and mildew and blight.</i>	<a href="https://www.youtube.com/watch?v=oVg6ycY3eXQ">https://www.youtube.com/watch?v=oVg6ycY3eXQ</a>
6	<i>visit to Scotland, Bio Section</i>	<i>Insects and the damage to crops</i>	<i>Students observation and the vast amount of insects that can be seen under the microscope</i>	

7	<i>Reproduction in flowers</i> 113623		<i>To gain an understanding of Identify four different parts of a flowering plant, e.g. stem, roots</i>	<a href="https://www.youtube.com/watch?v=R8_ScKzLAfE">https://www.youtube.com/watch?v=R8_ScKzLAfE</a>
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<i>Week /Term 3A</i>	<i>focus</i>	<i>summary</i>	<i>Learning objective</i>	<i>Independent learning</i>
1	113623 <i>Reproduction on flowing plants</i>	<i>Looking at parts of a flower</i>	<i>Students will gain an understanding of Identifying parts of a flower, e.g. petal, stamen</i>	<a href="https://www.youtube.com/watch?v=IQE89gA-Zlw">https://www.youtube.com/watch?v=IQE89gA-Zlw</a>
2	113623 <i>Reproduction on flowing plants</i>	<i>Discussion on reproduction in flowers.</i>	<i>To gain knowledge on grafting in plants to become like the parent plant</i>	<a href="https://www.youtube.com/watch?v=h077JEQ8w6g">https://www.youtube.com/watch?v=h077JEQ8w6g</a>
3	113623 <i>Reproduction on flowing plants</i>	<i>What is cuttings and how they are like the parent plant, demonstration on grafting from a slip?</i>	<i>Students will learn how to take a hard and soft wood cutting</i>	<a href="https://www.youtube.com/watch?v=WHiv1OvXGcl">https://www.youtube.com/watch?v=WHiv1OvXGcl</a>
4	113623 <i>Reproduction on flowing plants</i>	<i>Germination of seed. in the following conditions light , dark cold</i>	<i>To have an understanding of at least two conditions necessary for seeds to germinate Students to carry out a practical on germination.</i>	<a href="https://www.youtube.com/watch?v=taaiH3XdSxw">https://www.youtube.com/watch?v=taaiH3XdSxw</a>
5	<i>Germination of a bean seed</i>	Practical: Students to dissect a runner bean seed to show all the main features.	Candidates should know the structure of a bean seed: testa, cotyledon, plumule, radicle	
6	113623 <i>Reproduction on flowing plants</i>	<i>Seed dispersal</i>	<i>To gain an understanding of the different types of seed dispersal</i>	<a href="https://www.youtube.com/watch?v=WhrQFiXIG6Y">https://www.youtube.com/watch?v=WhrQFiXIG6Y</a>
7	<i>Sowing of seeds</i>	Practical: Students to sow seeds in vegetable plots	Candidates should know How to raise plants from seed outdoors	

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		using seed drills, care for them, thin them out and harvest them		
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<i>Week / Term 3B</i>	<i>focus</i>	<i>summary</i>	<i>Learning objective</i>	<i>Independent learning</i>
1	<i>Growth in plants ( Biology for u book )</i>	<i>How light and gravity affect plant growth</i>	<i>To gain an understanding of how light and gravity affect plant growth</i>	<a href="https://www.youtube.com/watch?v=U7U60HqsQs4">https://www.youtube.com/watch?v=U7U60HqsQs4</a>
2	<i>Blight and Iron rust</i>	<i>How Blight and Iron rust affect crops</i>	<i>To gain an understanding of the different types of blight, and iron rust and how it affect crops</i>	<a href="https://www.youtube.com/watch?v=PSXXoGrOyDg">https://www.youtube.com/watch?v=PSXXoGrOyDg</a> <a href="https://www.youtube.com/watch?v=l1E9XbB9YdQ">https://www.youtube.com/watch?v=l1E9XbB9YdQ</a>
3	<i>Pollination in plants</i>	<i>Pollination in plants Wind and insect pollination</i>	Students should be able to <ul style="list-style-type: none"> <li>● Describe pollination</li> <li>● Identify the adaptations necessary for and examples of wind and insect pollinated plants</li> <li>● Describe the advantages and disadvantages of wind and insect pollinated plants</li> </ul>	
4	intercrops	Method of controlling pests by using intercrops	Learning objective: for all students to gain knowledge on intercropping and its effects on pest control.	
5	<i>Practical gardening</i>			

