

DAWOOD PUBLIC SCHOOL

GARDENING

Course Outline – 2019-20

Grade I

AUGUST-OCTOBER

Seasonal review - Late Summer (monsoon) to Autumn

Area of Study	Learning Objectives and Skill Development
<p>Understanding Soil</p> <ul style="list-style-type: none">• Experience the texture of healthy soil and compare it with sand <p>Basic Factors Required for Plant Growth</p> <ul style="list-style-type: none">• Seed• Soil• Sunlight• Water• Air <p>Basic Concepts of Sowing</p> <ul style="list-style-type: none">• Focus on seed sowing• Broadcasting Method - sprinkling <p>Basic Concepts of Herbs in Gardens</p> <ul style="list-style-type: none">• Focus on Coriander <p>Basic Concepts of Compost</p> <ul style="list-style-type: none">• Compost added to soil makes fertile soil	<ul style="list-style-type: none">• Differentiate between soil and sand.• Identify healthy soil.• Develop awareness for the conditions required for plant growth.• Experience soil preparation for coriander.• Experience the sprinkling method for sowing coriander seeds.• Recognize tools required for sowing:<ul style="list-style-type: none">➤ hoe➤ spade• Identify coriander seeds.• Develop awareness for the uses of coriander.• Recognize the features of herbs:<ul style="list-style-type: none">➤ they have stems that stay green➤ they are fragrant➤ they are used for cooking and in medicine• Develop awareness for the importance of compost.• Differentiate between soil and fertile soil.
<p>Practical:</p> <ul style="list-style-type: none">➤ Preparing soil➤ Sowing coriander➤ Adding compost to soil <p>Gardening Terms:</p> <p>Compost – natural waste</p> <p>Fragrant – that which gives off a good smell</p> <p>Hoe – a long handed forked tool used for weeding</p> <p>IT Links for Reference:</p> <p>Soil</p> <p>https://www.youtube.com/watch?v=ysIm7lmsK6c</p> <p>https://www.youtube.com/watch?v=kybPmB1zBUw</p> <p>https://www.youtube.com/watch?v=aX6RwN5qx0I</p> <p>Sowing of coriander</p> <p>https://www.youtube.com/watch?v=xyalvVWttw0</p> <p>https://www.youtube.com/watch?v=O26UPmls7QU</p> <p>Compost</p> <p>https://www.youtube.com/watch?v=Tn8fXuHHfvs</p> <p>https://www.youtube.com/watch?v=v3ezigy6-pU</p>	

NOVEMBER- JANUARY

Seasonal Review - Late Autumn to Winter

Area of Study	Learning Objectives and Skill Development
<p>Basic concept of Harvesting</p> <ul style="list-style-type: none"> • Procedure for Harvesting <p>Harvesting Herbs</p> <ul style="list-style-type: none"> • Coriander <p>Harvesting Vegetables</p> <ul style="list-style-type: none"> • Potatoes <p>Insects in Plants</p> <ul style="list-style-type: none"> • Beneficial Insects • Harmful Insects <p>Importance of Insect Traps</p> <p>Winter Flowers</p> <ul style="list-style-type: none"> • Observation of plantation 	<ul style="list-style-type: none"> • Recognize the tools for harvesting: <ul style="list-style-type: none"> ➤ safety scissors – for coriander ➤ hoe – for potatoes ➤ spade – for potatoes • Experience the harvest of coriander. • Observe the post harvest preservation of coriander. • Identify the following tubers: <ul style="list-style-type: none"> ➤ potato ➤ sweet potato ➤ yam • Recognise a potato plant when it is ready for harvest. • Observe the precautions required while harvesting potatoes. • Name some beneficial insects <ul style="list-style-type: none"> ➤ ladybug ➤ honeybees • Name some harmful insects. • Identify the following winter flowers: <ul style="list-style-type: none"> ➤ rose ➤ marigold
<p>Practical:</p> <ul style="list-style-type: none"> ➤ Harvesting Vegetables (coriander & potato) ➤ Making an Insect Trap (hinder trap) <p>Gardening Terms:</p> <p>Harvest – when vegetables or herbs are ready to be taken out from the soil</p> <p>Tuber – plant food that grows underground</p> <p>Yam – an underground vegetable belonging to the potato family</p> <p>IT Links for Reference:</p> <p>Harvesting of Potato and Coriander https://www.gardeningknowhow.com/edible/vegetables/potato/how-and-when-to-harvest-potatoes.htm https://www.backyard-vegetable-gardening.com/harvesting-cilantro.html http://homeguides.sfgate.com/tell-cilantro-ready-pick-80786.html https://www.youtube.com/watch?v=W7K14br2ZL8 https://www.youtube.com/watch?v=0hVt_yaM7n0</p> <p>Insect trap https://www.youtube.com/watch?v=iRFfRCigmNg</p>	

FEBURARY-APRIL

Seasonal Review - Late Winter to Spring

Area of Study	Learning Objectives and Skill Development
<p>Insects in Plants</p> <ul style="list-style-type: none"> • Insects as pollinators <p>Importance of attracting pollinators to the garden</p> <ul style="list-style-type: none"> • Creating banana food as habitat for pollinators <p>Egg Shell Compost – calcium for soil</p> <ul style="list-style-type: none"> • Egg shell compost is one type of compost • Egg shells add organic material and nutrients to soil. 	<ul style="list-style-type: none"> • Identify insects as carriers of pollen: <ul style="list-style-type: none"> ➤ bees ➤ butterflies ➤ birds ➤ beetles • Recognize bananas as a strong smelling attraction for butterflies and bees. • Identify egg shells as natural waste. • Identify egg shells as a source of calcium. • Describe the benefits of adding calcium rich compost to soil. • Link importance of calcium in humans to calcium in soil.
<p>Practical:</p> <ul style="list-style-type: none"> ➤ Making Food for Pollinators ➤ Preparing Egg Shell Compost <p>Gardening Terms:</p> <p>Pollen – powdery substance on flowers</p> <p>Pollinator – living things that help to transfer pollen from one flower to another flower</p> <p>Calcium – important mineral for healthy growth</p> <p>Organic – taken from nature</p> <p>Nutrient – important substance for life and growth</p> <p>IT Links for Reference:</p> <p>Making food for pollinators</p> <p>https://www.treehugger.com/lawn-garden/make-food-struggling-monarch-butterflies-recipes-your-leftovers.html</p> <p>http://www.imperialsugar.com/kids-in-the-kitchen/projects/kids-craft-ideas/how-to-make-butterfly-food</p> <p>http://nababutterfly.com/butterfly-feeders/butterfly-feeders-mn/</p> <p>Egg shell compost</p> <p>https://www.youtube.com/watch?v=8l7Sch107o</p> <p>https://www.youtube.com/watch?v=IPhnXyengVY</p> <p>https://www.youtube.com/watch?v=1UkBMlzdDmM</p> <p>https://www.gardeningknowhow.com/composting/ingredients/eggshells-in-the-garden.htm</p> <p>https://www.wikihow.com/Recycle-Eggshells-in-Gardening-Activities</p>	