

## **DAWOOD PUBLIC SCHOOL**

### **GARDENING**

#### **Course Outline – 2019-20**

#### **Grade III**

#### **AUGUST-OCTOBER**

Seasonal Review - Late Summer (monsoon) to Autumn

<b>Area of Study</b>	<b>Learning Objectives and Skill Development</b>
<p>Understanding Soil</p> <ul style="list-style-type: none"><li>• Preparation of soil in a pot</li><li>• Preparation of a patch on land</li></ul> <p>Basic Concepts of Sowing</p> <ul style="list-style-type: none"><li>• Focus on seed sowing</li><li>• Broadcasting Method</li></ul> <p>Fenugreek as a Seasonal Vegetable</p> <ul style="list-style-type: none"><li>• Seeds can be roasted and used for food</li><li>• Leaves can be cooked and used for food</li></ul> <p>Herbs in Gardens</p> <ul style="list-style-type: none"><li>• Features of herbs:<ul style="list-style-type: none"><li>➤ stems that stay green</li><li>➤ fragrant</li><li>➤ used for culinary and medicine purpose</li></ul></li><li>• Observe various herbs</li></ul> <p>Garden Plants</p> <ul style="list-style-type: none"><li>➤ Recognise common garden plants</li><li>➤ Tree – Grewia</li><li>➤ Creeper – Morning Glory</li></ul>	<ul style="list-style-type: none"><li>• Develop awareness of the following features for fertile soil:<ul style="list-style-type: none"><li>➤ organic matter</li><li>➤ moisture content</li><li>➤ soft texture</li></ul></li><li>• Differentiate between fertile soil and non-fertile soil</li><li>• Talk about the importance of preparing land before sowing</li><li>• Describe the basic factors for plant growth</li><li>• Experience soil preparation for fenugreek</li><li>• Experience the use of tools for sowing:<ul style="list-style-type: none"><li>➤ hoe</li><li>➤ spade</li></ul></li><li>• Identify the seeds of fenugreek</li><li>• Differentiate the seeds of fenugreek and coriander on the basis of:<ul style="list-style-type: none"><li>➤ color</li><li>➤ size</li><li>➤ smell</li></ul></li><li>• Experience the broadcasting method for sowing fenugreek</li><li>• State some of the features of herbs</li></ul>
<p><b>Practical:</b></p> <ul style="list-style-type: none"><li>➤ Land preparation</li><li>➤ Sowing Fenugreek</li><li>➤ Sowing Coriander</li></ul> <p><b>Gardening Terms:</b></p> <p>Fertile – Soil that is able to support the growth of strong healthy plants</p> <p>Organic – taken from nature or made from natural matter</p> <p>Moisture – wetness due to water</p> <p>Texture – the feel of something</p> <p>Seasonal – related to a particular season</p> <p><b>Translated Terms:</b></p> <p>Fenugreek – ‘methi’</p> <p>Grewia – ‘falsa’</p> <p><b>IT Links for Reference:</b></p> <p>Land preparation</p> <p><a href="https://www.wikihow.com/Prepare-the-Soil-for-a-Vegetable-Garden">https://www.wikihow.com/Prepare-the-Soil-for-a-Vegetable-Garden</a></p>	

<http://www.dummies.com/home-garden/gardening/how-to-prepare-garden-soil-for-planting/>  
<https://www.almanac.com/content/preparing-soil-planting>

Sowing Fenugreek

<https://www.youtube.com/watch?v=OY9sQzxH2S4>  
<https://www.youtube.com/watch?v=d6CzvUp1TJk>  
<https://www.wikihow.com/Grow-Fenugreek>  
<http://balconygardenweb.com/how-to-grow-fenugreek-vegetable-gardening/>

Sowing Coriander

<https://www.almanac.com/plant/coriander-and-cilantro>  
<https://www.quickcrop.co.uk/learning/plant/coriander>  
<https://www.wikihow.com/Grow-Cilantro>  
<https://www.youtube.com/watch?v=xyalvVWttw0>

**NOVEMBER- JANUARY**

Seasonal Review - Late Autumn to Winter

Area of Study	Learning Objectives and Skill Development
<p>Herbs in Gardens</p> <ul style="list-style-type: none"><li>• Recognise herbs:<ul style="list-style-type: none"><li>➤ coriander</li><li>➤ mint</li></ul></li><li>• Uses of herbs</li></ul> <p>Focus on Harvesting</p> <ul style="list-style-type: none"><li>• Time for harvest</li><li>• Harvesting herbs - Mint</li><li>• Harvesting leafy vegetables - Fenugreek</li></ul> <p>Winter Flowers</p> <ul style="list-style-type: none"><li>• Observation of plantation</li><li>• Recognition of winter flowers<ul style="list-style-type: none"><li>➤ Rose</li><li>➤ Marigold</li><li>➤ Petunia</li><li>➤ Pansy</li></ul></li></ul> <p>Garden Plants</p> <ul style="list-style-type: none"><li>➤ Recognise common garden plants<ul style="list-style-type: none"><li>➤ Tree - Neem</li><li>➤ Creeper - Money Plant</li></ul></li></ul>	<ul style="list-style-type: none"><li>• Differentiate between mint, coriander and fenugreek</li><li>• Identify the herbs among leafy plants</li><li>• State some uses of herbs</li><li>• Develop an awareness of harvesting herbs and vegetables:<ul style="list-style-type: none"><li>➤ mint</li><li>➤ fenugreek</li></ul></li><li>• Recognize the tools for harvesting:<ul style="list-style-type: none"><li>➤ safety scissors</li><li>➤ pruner</li></ul></li><li>• Develop an awareness of when fenugreek plant is ready for harvest:</li><li>• Discuss the nutritional benefits of fenugreek</li><li>• Develop an awareness about how to preserve mint</li><li>• Name and identify some winter flowers</li><li>• Develop an awareness about the care for winter flowers</li><li>• Differentiate between garden plants and vegetable plants</li><li>• Develop an awareness for creeper plant</li></ul>
<p><b>Practical:</b></p> <ul style="list-style-type: none"><li>➤ Harvesting Herbs (mint)</li><li>➤ Harvesting Vegetables (fenugreek)</li></ul> <p><b>Gardening Terms:</b></p> <p>Pruner – a type of scissors</p> <p>Harvest – when vegetables or herbs are ready to be taken out from the soil or plant</p> <p>Leafy vegetable- used and eaten for their green leaves</p> <p>Preserve – to keep a food fresh for a long time</p> <p><b>Translated Terms:</b></p> <p>Coriander – ‘dhanya’</p> <p>Mint – ‘podina’</p> <p><b>IT Links for Reference:</b></p>	

Harvesting Mint

<http://www.preservingyourharvest.com/HarvestingMint.html>

<https://www.almanac.com/plant/mint>

<https://www.youtube.com/watch?v=PubiymjKzlc>

<https://www.youtube.com/watch?v=9rSW8pRCeUg>

Harvesting of fenugreek.

<https://www.gardenguides.com/124483-harvest-fenugreek.html>

<http://randomgardenmn.blogspot.com/2011/07/growing-and-harvesting-fenugreekmethi.html>

<https://www.youtube.com/watch?v=TtGM-roMAkc>

**FEBURARY-APRIL**

Late Winter to Spring

Area of Study	Learning Objectives and Skill Development
<p>Focus on Compost</p> <ul style="list-style-type: none"><li>Compost added to soil makes fertile soil</li><li>Dry neem leaves add organic material and nutrients to soil</li><li>Neem compost – nitrogen for soil</li></ul> <p>Insects in Plants</p> <ul style="list-style-type: none"><li>Role of Insects</li><li>Types of pollinators</li><li>Importance of pollinators</li><li>Types of pollination</li><li>Creating a habitat to attract pollinators<ul style="list-style-type: none"><li>Banana food</li></ul></li></ul> <p>Focus on Sowing</p> <ul style="list-style-type: none"><li>Sponge Gourds as a spring vegetable</li><li>Sowing sponge gourds</li></ul> <p>Spring Vegetables</p> <ul style="list-style-type: none"><li>Eggplant</li><li>Sponge Gourd</li><li>Okra</li></ul> <p>Spring Fruit</p> <ul style="list-style-type: none"><li>Mango</li><li>Melon<ul style="list-style-type: none"><li>honeydew</li><li>watermelon</li><li>cantaloupe</li></ul></li></ul>	<ul style="list-style-type: none"><li>Describe the importance of compost.</li><li>State some benefits of adding compost to soil.</li><li>Identify dry neem leaves as natural waste.</li><li>Identify neem leaves as a source of nitrogen for soil.</li><li>Describe the benefits of adding nitrogen rich compost to soil.</li><li>Talk about the role of pollinators in a garden.</li><li>Develop awareness about the importance of pollination.</li><li>Experience the creation of banana food as a habitat to attract insects.</li><li>Identify the following insects which act as pollinators:<ul style="list-style-type: none"><li>bees</li><li>butterflies</li><li>birds</li><li>beetles</li></ul></li><li>Develop awareness that sponge gourd is a spring vegetable.</li><li>Identify the seeds of sponge gourd.</li><li>Experience the sowing of sponge gourd.</li><li>Discuss the nutritional benefit of sponge gourd.</li><li>Name some spring fruits and vegetables.</li><li>Name the varieties of melon.</li></ul>
<p><b>Practicals:</b></p> <ul style="list-style-type: none"><li>Preparing Neem compost</li><li>Making food for Pollinators</li><li>Sowing Sponge Gourd</li></ul> <p><b>Gardening Terms:</b></p> <p>Nutrient – important substance for life and growth</p> <p>Pollinator – living things that help to transfer pollen from one flower to another flower</p> <p>Nitrogen – a colorless and odorless gas in air which forms all living tissues</p> <p>Spring vegetable - vegetables grown in spring season</p>	

**Translated Terms:**

Eggplant – ‘baingun’

Okra – ‘bhindi’

Sponge Gourd – ‘turaee’

Melon – ‘kharbooza’ or ‘tarbooz’

**IT Links for Reference:**

Neem compost

<https://www.youtube.com/watch?v=0cuapTkTYFY>

[https://www.youtube.com/watch?v=u7PtVS\\_8C1A](https://www.youtube.com/watch?v=u7PtVS_8C1A)

Making food for Pollinators

<https://www.treehugger.com/lawn-garden/make-food-struggling-monarch-butterflies-recipes-your-leftovers.html>

<http://www.imperialsugar.com/kids-in-the-kitchen/projects/kids-craft-ideas/how-to-make-butterfly-food>

<http://nababutterfly.com/butterfly-feeders/butterfly-feeders-mn/>

Sowing Sponge Gourd

<https://www.youtube.com/watch?v=gxHxAMQh2vY>

<https://www.youtube.com/watch?v=1BklCr7CO5I>

<https://www.wikihow.com/Grow-Gourds>