

DAWOOD PUBLIC SCHOOL

GARDENING

Course Outline – 2017-18

Grade III

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

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

<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"> • Compost added to soil makes fertile soil • Dry neem leaves add organic material and nutrients to soil • Neem compost – nitrogen for soil <p>Insects in Plants</p> <ul style="list-style-type: none"> • Role of Insects • Types of pollinators • Importance of pollinators • Types of pollination • Creating a habitat to attract pollinators <ul style="list-style-type: none"> ➤ Banana food <p>Focus on Sowing</p> <ul style="list-style-type: none"> • Sponge Gourds as a spring vegetable • Sowing sponge gourds <p>Spring Vegetables</p> <ul style="list-style-type: none"> • Eggplant • Sponge Gourd • Okra <p>Spring Fruit</p> <ul style="list-style-type: none"> • Mango • Melon <ul style="list-style-type: none"> ➤ Honeydew ➤ Watermelon ➤ Cantaloupe 	<ul style="list-style-type: none"> • Talk about the importance of compost • State some benefits of adding compost to soil • Identify dry neem leaves as natural waste • Identify neem leaves as a source of nitrogen for soil • Describe the benefits of adding nitrogen rich compost to soil • Talk about the role of pollinators in a garden • Develop an awareness about the importance of pollination • Experience the creation of banana food as a habitat to attract insects • Name the insects which act as pollinators <ul style="list-style-type: none"> ➤ bees ➤ butterflies ➤ birds ➤ beetles • Develop an awareness that sponge gourd is a spring vegetable • Identify the seeds of sponge gourd • Experience the sowing of sponge gourd • Discuss the nutritional benefit of sponge gourd • Name some spring fruits and vegetables • Name the varieties of melon
<p>Practicals:</p> <ul style="list-style-type: none"> ➤ Preparing Neem compost ➤ Making food for Pollinators ➤ Sowing Sponge Gourd <p>Gardening Terms:</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> <p>Translated Terms:</p> <p>Eggplant – ‘baingun’</p>	

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

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>