

DRIPWORKS

Gardening Bee (Curriculum)

Learning Module (Grade 4-5)

Gardening Bee: Learning Module

Step 1:	
Research your growing zone.	
• What is the first and last frost date for your zone?	Week 1
• How many days is the growing season?	-----
Tools and equipment required.	
• What gardening tools will you need?	Week 2
• What equipment will you need?	-----
• How is each tool used?	Week 3
Research species of plants that can be grown in your zone.	-----
• What are the species that will grow in your zone?	Week 4
• What is the growing cycle of each?	-----
• How many days from seed to harvest?	Week 5
• What are some varieties within each plant family?	-----
• Which variety has the longest growing cycle for each family?	Week 6
• Which variety has the shortest growing cycle for each family?	-----
• Detailed outline of each plant variety.	Week 7
Research companion planting.	
• How does companion planting work?	Week 7
• What plant families benefit each other when planted close to each other?	Week 8
• Which companion plants are a one way beneficial relationship?	-----
• What plants can damage each other if planted closely?	Week 9
Research soil types.	
• What are the three common soil types?	Week 9
• What type of soil is best for each crop you want to grow?	Week 10
• How deep does the soil need to be for your crop?	-----
Planting space.	
• How much space does each crop need?	Week 11
• How large will your beds be to accommodate for each crop?	-----
• How will you arrange the plants within your planting space for best use of the space?	Week 12
Sketch your space.	
• Sketch the area the garden will be located.	Week 13
• Where will the beds be placed?	Week 14
• How wide are the pathways?	Week 15
• Where is the water source?	Week 16
• How does the sun fall throughout the day in the area?	-----
Plot your plants.	
• Where will each plant be placed within the beds?	Week 17
• How many plants fit in each bed?	Week 18

• How will they be arranged to take best advantage of the sun cycle? Irrigation.	Week 19
• What is the weekly water requirement for each crop you are choosing to plant?	Week 20
• What is the evapotranspiration rate for the hottest month in your location?	Week 21
• How will you install your irrigation to best suit each crop?	Week 22
• How long will you need to run your system each week to provide sufficient water?	Week 23
• How will you break up the watering schedule to daily watering?	Week 24
• Celebrate Gardening Week	Week 25