

SDG 15 Seeding Sustainability

MM4 Growing and Foraging



MM4: Growing and Foraging

Experimentation and Exploration

Lesson 10: Investigating Herb Beds and Garden Designs

Subjects: CSPE, English, Geography, Horticulture, Science

Lesson Title and Summary: Investigating Herb Beds And Garden Designs

When you grow your own garden, you take control of what and where you want to grow. You decide what is put on your plants and into the soil. Designing a well-thought out herb bed, with complementary planting, encourages good growing.

This lesson encourages learners to apply design skills to planting and growing, by creating a herb bed garden design.

Vocabulary: Annual, Edible Weeds, Growing, Harvesting, Herbs, Perennial, Tips

In this lesson, the learner will:

- develop design-thinking skills
- collaborate and communicate with their peers
- reconnect with food, nature and community
- explore garden planning
- research and practice garden designing
- sketch and scale drawings

Materials

- Worksheet: Investigating Herb Beds & Garden Designs
- Internet/ Computer access
- Canva Free layout / design software
- Technical drawing materials - pens, pencils, rulers



MM4: Growing and Foraging

L10: Investigating Herb Beds & Garden Designs



ACTIVITY INSTRUCTIONS

Activity 1: Investigating Herb Beds And Garden Designs (25 mins)

1.) Divide the class into 4 groups. Each group is responsible for one quadrant of the plan (see WORKSHEET: INVESTIGATING HERB BEDS and GARDEN DESIGNS).

Groups: North-West, North-East, South-West, South-East

2.) Go through instructions on the worksheet to check understanding. Give groups 20 minutes to complete Steps 1-4 of the worksheet.

Activity 2: Share findings (10 mins)

1.) Learners share findings with peer groups. This may be done through group rotation.

Activity 3: Starting to Design a Herb Garden (15 mins)

1. Watch the Video: Designing a Herb Garden (5:32min)

2. Using the learners directory from Lesson 4, the edible Medicinal micro-module and Lesson 7 in this micro-module, Directory Addition Herbs begin to design a herb garden for the school.

Completing the design will take a number of lessons and learners can consider the following types of herb gardens:

- scented
- cosmetic
- edible
- medicinal
- Italian
- container-grown

Once the design is complete, learners can begin to build / create their herb garden.

REFLECTIVE EXERCISE: 3-2-1 (10 mins)

- Three things they feel they have learnt from the tasks
- Two things they found most interesting and would like to explore more
- One – their opinion they have about the tasks

Use Post-its or a mentimeter survey - www.mentimeter.com - to gather reflections

MM4: Growing and Foraging

L10: Investigating Herb Beds & Garden Designs



EXTENSION / REDUCTION ACTIVITIES:

Reduction (40 min lesson): For a shorter lesson, learners may research only a selection of the listed herbs in their quadrant and the remainder be divided and set for individual study.

Extension (80 min lesson): For a longer lesson, more time may be allocated to the research stage and the sharing findings stage.

Additional lessons: Use the resources in the media box to develop designs for the herb garden, e.g. formal, scented, edible, Italian, container-grown.

MEDIA BOX: (materials, online video links, extra resources, case studies etc)

Video: Designing a Herb Garden (5:32min): <https://www.youtube.com/watch?v=VTFLtfA4KEw>

Video: Herb Garden planting(11:52min): <https://www.youtube.com/watch?v=VTFLtfA4KEw>

Article: Planning a Herb Garden: <https://www.thespruce.com/planning-a-herb-garden-1402617>

Website: <https://www.gardeningknowhow.com/edible/herbs/hgen/herb-garden-designs.htm>

Chelsea Physic Garden: <https://www.chelseaphysicgarden.co.uk/>

Video: Containers (13:21min) <https://www.youtube.com/watch?v=JQNrfMT8Dhw>

Video: An Introduction to Soil (12:52min) <https://www.youtube.com/watch?v=l3A7OnTLsM8>

Canva Graph Paper use for basic layout and add visual elements like walls / planting - <https://www.canva.com/p/templates/EAE4Z3cEKSM-simple-graph-paper-for-maths-and-science/>

Concept Design \$49: The Landscape & Garden solution, 14 libraries of containing 420 vector graphics shapes, to allow you to create professional looking documents.

<https://www.conceptdraw.com/solution-park/building-landscape-garden>

LOCAL TRIP / EXPERTISE / ADDITIONAL WORK AND ASSESSMENTS

Visit local gardens/parks with different layouts or take a virtual tour of a garden with different layouts. Examine how planting has been organised.

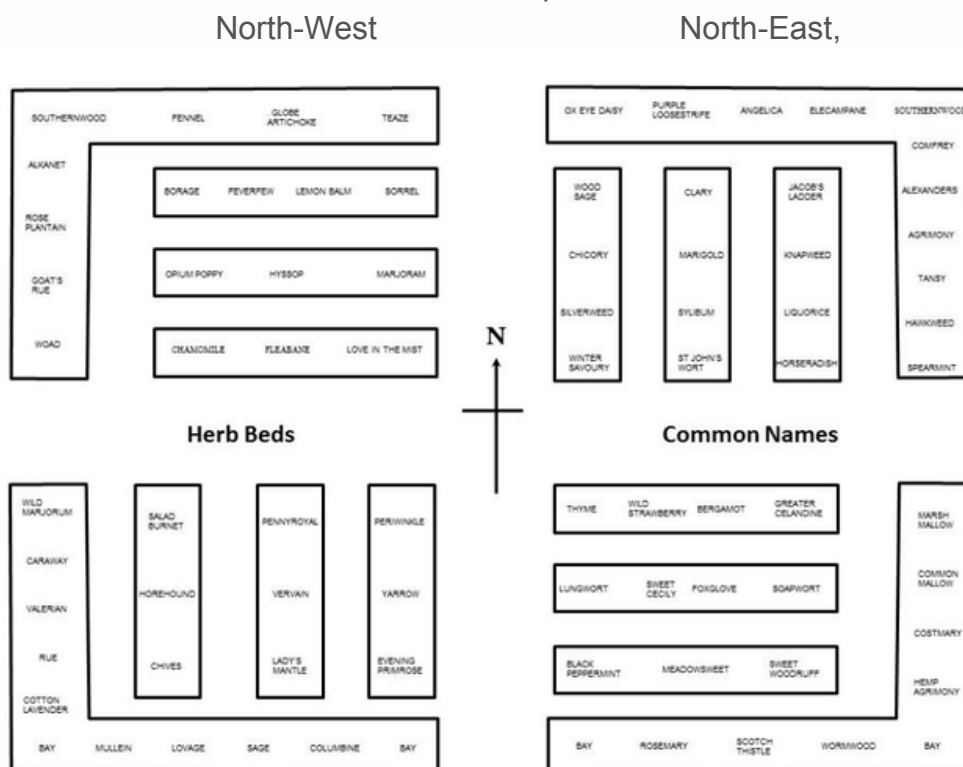
Map the local expertise that could help with designing and growing - local colleges, food producers.

MM4 L10 WS: INVESTIGATING HERB BEDS & GARDEN DESIGNS



Step 1: The teacher will divide the class into 4 groups. Groups will work on one of the quadrants below:

Groups:



Step 2: Working in your groups look at the example garden plan above. Focus on your group's quadrant.

- How would you describe the layout?
- What are the herbs listed in your section?
- Circle the ones do you already know of.
- Highlight the ones you don't yet know about.

Step 3: You can see that the herb beds have the common names of plants. In your groups;

- Record the botanical names of plants in your area of the plan.
- Find and save images of each of them.
- Display your information in a format of your choice (mind map, poster, etc.).

Step 4: Share your findings with the other peer groups of your class.

Step 5: Upload findings to class' DIRECTORY OF LOCAL EDIBLE / MEDICINAL FLORA