

SDG 15 Seeding Sustainability

MM4 Growing and Foraging



MM4: Growing and Foraging

Experimentation and Exploration

Lesson 6: Creating A Directory Addition - Vegetables

Subjects: CSPE, English, Geography, Horticulture, Science

Lesson Title and Summary: Creating A Directory Addition- Vegetables

A wide range of vegetables are grown in Ireland, the most popular being cabbage, carrots, broccoli, swedes, cauliflower and parsnips.

Learners will consider the range of vegetables grown in Ireland and practice organising, collating and sharing findings as part of a group. They will look in more detail at vegetables grown in Ireland, identifying Irish edible flora contributing further to their their awareness of sustainable food production and Ireland's food ecology.

Vocabulary: Annual, Collation, Data Gathering, Data Analysis, Growing, Limitations, Perennial, Sowing, Vegetables

In this lesson, the learner will:

- develop recording, analysis and evaluation skills
- continue their creation of a directory of foods grown in Ireland
- reconnect with food, nature and community
- identify Irish edible flora, their growing and how they are used in food preparation

Materials

- Worksheet: Directory Addition - Vegetables
- Worksheet: Creating a Directory of Local Edible/Medicinal Flora (Lesson 4/Edible Medicinal mciro-module)
- Worksheet: ABC's of Grow it Yourself (GIY) Ireland (Lesson 4)
- Internet Access

2 ZERO HUNGER



3 GOOD HEALTH AND WELL-BEING



12 RESPONSIBLE CONSUMPTION AND PRODUCTION



13 CLIMATE ACTION



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ACTIVITY INSTRUCTIONS

This is a follow on lesson from Lesson 4 of the Edible Medicinal micro-module. As a class, learners will create a new section to the class directory of Irish edibles focussing on vegetables).

Activity 1: Organising Previous Findings (10 mins)

1. Ask learners to form small groups (max 4 people).
2. Give learners time to read through their previous findings on Lesson 4 WORKSHEET: ABC'S OF GROW IT YOURSELF (GIY) IRELAND.

Activity 2: Collating findings (30 mins)

1. Using WORKSHEET: DIRECTORY ADDITION - VEGETABLES, groups can collate and present their ideas.
2. All findings should be recorded, paraphrased and summarised in their own words.
3. This activity is best done on a computer or tablet where groups can create digital collations using mind maps, tables or a presentation format of their choice.

Activity 3: Uploading and sharing ideas to class directory (10 mins)

1. Working on class computers or tablets, begin to upload collated findings to DIRECTORY OF LOCAL EDIBLE/MEDICINAL FLORA in the new section - VEGETABLES.

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

EXTENSION / REDUCTION ACTIVITIES:

Reduction: For a shorter lesson, undertake activities 1 and 2 only reducing the time for activity 2 to 20 mins, to be continued in a second class or at home.

Extension: For a longer lesson, consider conducting a peer review session of group work and include uploading the final data they have gathered to the directory.

Option B / Additional lesson: Consider the 'Information is Beautiful examples' from the media box and as a class discuss how they might like to present their data. This also links into Lesson 5 and their seasonal Calendar.

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

Grow it Yourself, Ireland Veg Directory <https://giy.ie/get-growing/veg-directory/>

Use Change X to find national and local community food projects and other initiatives

<https://www.changex.org/ie/>

Information is beautiful - Information is Beautiful is dedicated to making sense of the world with graphics & data-visuals.

- <https://informationisbeautiful.net/visualizations/global-food-supply-where-does-all-the-worlds-food-go/>
- <https://informationisbeautiful.net/visualizations/food-waste/>
- <https://informationisbeautiful.net/visualizations/how-kelp-seaweed-can-save-the-world/>
- <https://informationisbeautiful.net/visualizations/which-fish-best-safest-healthy-to-eat/>

Presenting Data:

- Data Visualisation for Students <https://www.canva.com/learn/data-visualisation-for-students/>
- Free online Mind mapping tool <https://www.mindmup.com/>
- Telling a story with Data <https://www.skillsyouneed.com/present/presenting-data.html>

LOCAL TRIP / EXPERTISE / ADDITIONAL WORK AND ASSESSMENTS

Conduct a mapping exercise to determine how many food gardens there are in the local area.

Visit local allotments and gardens to see what vegetables are grown locally. Ask growers

- what problems they have, e.g. wind, poor soil, pests
 - what is the biggest growing problem in this area
 - do they know what type of soil they have and if they have to do much to it
- what tips they have for growing vegetables
- do they use compost or make their own
- what do they grow
 - what does their planting year look like
 - when do they harvest what

Contact your local Tidy Towns group to see what work they are doing on local food sustainability, e.g. growing projects, or waste initiatives, e.g. composting.



MM4 L6 WS: DIRECTORY ADDITION: VEGETABLES

You are going to work in a group to collate your findings about vegetables.

You will need your WORKSHEET: ABC'S OF GROW IT YOURSELF (GIY) IRELAND from Lesson 4.

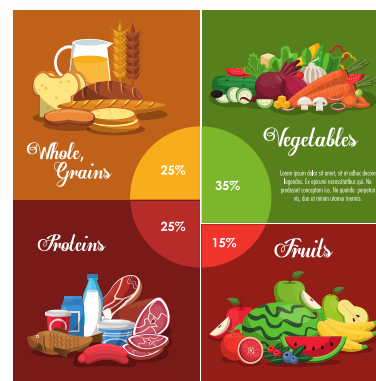
Task: In your group, collaborate to collate and combine the information you gathered in the worksheet.

- **The following information should be included:**

1. Common name
2. Botanical name
3. Pictorial references of the vegetables you researched
4. Information relating to the vegetable you find interesting

- **Think about how you want to present your information.**

- Do you want to make a mind map
- A table
- Or another format?



Sowing	Growing	Harvesting	Problems	Tips
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- Upload your final layouts to the DIRECTORY OF LOCAL EDIBLE/MEDICINAL FLORA in the new section - VEGETABLES.