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| **Minor Award Name** | **Life Science: Horticulture** |
| **Minor Award Code** | **M2S28** |
| **Level** | **2** |

**Suggested resources to support delivery:**

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| **Theme/Topic** | **Type** | **Relevance** | **Author/Source** | **Web Link** |
| Common trees and shrubs | Website | Guides to 269 flowers and foliage plants...click into the plant and it gives a photo and information, including planting tips | Cornell University | <http://www.gardening.cornell.edu/homegardening/scene2f17.html> |
|  | Website | Identifying common trees and shrubs in Ireland | Irish wildflowers.ie | <http://www.irishwildflowers.ie/more/trees.html> |
|  | Website | Identifying flowers in Ireland | Wildflowers of Ireland.net | <http://www.wildflowersofireland.net/plants_by_colour.php?id_group=1&colour=Blue%20and%20Purple%20Wildflowers> |
|  | Spotting sheet | Spotting yellow spring flowers - sheet | Wildlifewatch.org.uk | <http://www.wildlifewatch.org.uk/images/Downloads/spotters/yellow%20springtime%20flowers.pdf> |
|  | Spotting sheet | Spotting summer flowers - sheet | Wildlifewatch.org.uk | <http://www.wildlifewatch.org.uk/images/Downloads/spotters/summer%20flowers.pdf> |
|  | Spotting sheets | Plant spotter sheets – by month | Plant Life.org.uk | <http://www.plantlife.org.uk/uk/discover-wild-plants-nature/spotter-sheets> |
|  | Slides | Flowers - slides | Educoot.org | <http://educoot.org/for-tutors/>  Scroll down to Level 3 Container Gardening |
|  | Information sheet | Best uses for fresh herbs | Kidspot.com.au | <http://static.kidspot.com.au/cm_assets/79308/fresh_herb_infographic-pdf-20160118152645.pdf> |
|  | Worksheets | Worksheets that include twig identification and leaf identification | WoodlandTrust.org.uk | <https://www.woodlandtrust.org.uk/mediafile/100280992/Tree-pack-pupil-worksheets.pdf> |
|  | Slides | Identifying common trees – photos and information | Parks Trust, UK - Rob Riekie | <http://www.theparkstrust.com/downloads/tree-id-handout.pdf> |
|  | Teacher notes, few worksheets | School resource on trees (but can be adapted and some sheets can be used ‘as is’ – includes Irish links) | Kerry Earth Education Project | [http://www.gortbrackorganicfarm.com/PDF/Tree\_Nursery\_Pack[1].pdf](http://www.gortbrackorganicfarm.com/PDF/Tree_Nursery_Pack%5b1%5d.pdf) |
| Gardening tools and equipment | Worksheets | Gardening tools worksheet (can right click save and print) | English Worksheets | <https://www.englishwsheets.com/gardening-tools.html> |
|  | Web page | Gardening tools - notes | Garden.ie | <http://www.garden.ie/gardeningskills.aspx?id=545> |
|  | Web page with slide show | Types of Garden Tools and Equipment | HGTV | <http://www.hgtv.com/outdoors/gardens/planting-and-maintenance/types-of-garden-tools-and-equipment-pictures> |
|  | Pictures and vocabulary | Pictures and lists of vocabulary for gardening (USA kids’ site but suitable for adults) | kidspicturedictionary.com | <http://kidspicturedictionary.com/english-through-pictures/things-english-through-pictures/garden-yard/> |
|  | Web pages | Garden tools, can click into each one to read more | Wikipedia | <https://en.wikipedia.org/wiki/Garden_tool> |
|  | Slides | Simple slides on gardening tools | Slideshare: John Robin Amoguis | <https://www.slideshare.net/Amoguis/basic-gardening-tools?qid=2e6b8eda-7879-46e7-9239-628922580d9a&v=&b=&from_search=10> |
|  | Online quiz (12 questions) | Online quiz to check names of garden tools | QuizPug | <http://quizpug.com/can-you-name-these-gardening-tools/> |
| Conditions that help plants grow and flourish | Worksheets | How do plants grow? Worksheets (for kids but some can be used, e.g. plant life sequencing) | Woojr.com | <http://www.woojr.com/plant-life/> |
|  | Website | Tips for home composting | Compost Guide.com | <http://compostguide.com/> |
|  | Worksheets | What do plants need? – worksheets (scanned pages, but clear) | bnan.wikispaces.com | <http://bnan.wikispaces.com/file/view/What%20do%20plants%20need.pdf> |
|  | Worksheet | Plant nutrition | Primary Resources.co.uk | <http://www.primaryresources.co.uk/science/pdfs/RDnutrition.pdf> |
|  | Notes and quiz | What do plants need to grow? | bbc.co.uk BBC Bitesize | <http://www.bbc.co.uk/bitesize/ks2/science/living_things/plants/read/1/> |
|  | Slides | What plants need – short, simple presentation | Slideshare.net  fengchuishaster | <https://www.slideshare.net/fengchuishaster/what-plants-need-7243758> |
|  | Notes, questions, activities | What makes plants grow? (USA, for kids, but good notes and questions/answers, experiments not necessary) | The Institute of Food and Agricultural Sciences (IFAS) | <http://edis.ifas.ufl.edu/pdffiles/4h/4H36000.pdf> |
|  | Worksheet | Leaf factories worksheet | [www.primaryresources.co.uk](http://www.primaryresources.co.uk) | <http://www.primaryresources.co.uk/science/pdfs/leaffactories.pdf> |
| Life cycle of a plant | Worksheet | Plant life cycle worksheet | Have Fun Teaching.com | <http://files.havefunteaching.com/free-worksheets/grade/third/science/life-cycle-of-plants-worksheet-2.pdf> |
|  | Worksheet | Parts of a plant worksheet | Have Fun Teaching.com | <http://files.havefunteaching.com/free-worksheets/science/seeds-plants-worksheet-2.pdf> |
|  | Worksheets | Life cycle of a plant worksheets (for kids but can be used ‘as is’) | Worksheet Place | <http://www.worksheetplace.com/index.php?function=DisplayCategory&showCategory=Y&links=2&id=242&link1=241&link2=242> |
|  | Slides (31) | Parts of a plant/plant life cycle | Slideshare: Moira Whitehouse | <https://www.slideshare.net/MMoiraWhitehouse/parts-of-a-plant-power-point?qid=78019aef-9b77-41ca-9c99-4cc9bdae9ff4&v=&b=&from_search=1> |
|  | Slides (12) | Life cycle of plants | Slideshare: Chio Mora | <https://www.slideshare.net/chiomora52/life-cycle-of-plants-33153579?qid=78019aef-9b77-41ca-9c99-4cc9bdae9ff4&v=&b=&from_search=7> |
|  | Video | My Sunflower Timelapse: 15/3/10 - 24/7/10 - from Seed to Seed | YouTube: Khtam | <https://www.youtube.com/watch?v=zst08tm9s6M> |
| Planting safely | Web page | Gardening ideas (for kids, but clear instructions that can be used for adult learners), e.g. gumboot gardening, growing sunflowers, planting bulbs, etc. | Kidspot Australia | <http://www.kidspot.com.au/things-to-do/collection/gardening-for-kids?sort=&page=2> |
|  | Teacher notes | Gardening activities, notes (for primary school but can be adapted), e.g. herb planting, planting vegetables, sowing seeds, | Bord Bia | <http://www.bordbia.ie/consumer/gardening/organicgardening/pages/worksheets.aspx> |
|  | Web page | Gardening Tips & Advice | Bord Bia | <http://www.bordbia.ie/consumer/gardening/itsgardentime/pages/gardentips.aspx> |
|  | Pdf worksheets | Basic plant images and worksheets (for school, but colourful and clear) | Sparklebox | <http://www.sparklebox.co.uk/topic/living/plants/growth.html#.VnhiZPmLTIV> |
|  | Notes | Cheat sheet for growing vegetables | Anglian: Good to be home - [Louie Watts](http://www.anglianhome.co.uk/goodtobehome/author/louie-watts/) | <http://www.anglianhome.co.uk/goodtobehome/garden-news/a-vegetable-growing-cheat-sheet-infographic/> |
|  | Web page | Gardening guide | BBC.co.uk | <http://www.bbc.co.uk/gardening/basics/techniques/> |
|  | Video playlist | Diarmuid Gavin – different gardens | YouTube: Diarmuid Gavin | <https://www.youtube.com/watch?v=Z4r1PF3fWxk&list=PL4A03140B429C0FE3> |
|  | Video | Top Tips for Beginners in the Vegetable Patch Alan Titchmarsh | YouTube: Waitrose | <https://www.youtube.com/watch?v=m5lW_s8u1l8> |
|  | Blog | Health Hazards in the Garden | Grow Veg - Jeremy Dore | <https://www.growveg.co.uk/guides/health-hazards-in-the-garden/> |
|  | Playlist of videos (100) | Organic gardening in the UK – short videos | YouTube: London Tree Surgeons Group | <https://www.youtube.com/watch?v=TG-PwtKTxgg&list=PLnQzRQaDvDFJjjc0qbmgSe5mcU-Fo0z8C> |
|  | Web page | Many online gardening quizzes to play free online, e.g. fruits, weeds, etc. | Education Quizzes | <http://www.educationquizzes.com/us/specialist/gardening/> |
| General | Web page | Tips for creating a wildlife-friendly garden | RSPB, UK | <https://ww2.rspb.org.uk/birds-and-wildlife/bird-and-wildlife-guides/gardening-for-wildlife/creating-a-wildlife-friendly-garden> |
|  | Note | Journal prompts for writing a gardening journal (can be adapted for adult learners) | bnan.wikispaces.com | <http://bnan.wikispaces.com/file/view/Journal%20Prompts.pdf> |
|  | Notes / Webpages | General information sheets about gardening (for schools, but can be easily adapted) Includes: composting, watering plants, pests, fruit glossary, health and safety, etc. | Royal Horticultural Society | <https://schoolgardening.rhs.org.uk/Resources/Find-a-resource?so=0&pi=0&ps=10&f=1,6:&page=1> |
|  | Activities and worksheets | Variety of activities, e.g. plant life cycle, tree cards, photosynthesis, tree age, tree flowers, leaf hunt, etc. | www.forestry.gov.uk | <https://www.forestry.gov.uk/pdf/WyreFOD_mad-about-trees-cut.pdf/$file/WyreFOD_mad-about-trees-cut.pdf> |
|  | Presentations and worksheets | Various activities to download, e.g. presentations, worksheets – light and plants, photosynthesis, labelling plants, etc. | Primary Resources | <http://www.primaryresources.co.uk/science/science2c.htm> |
|  | Notes and worksheets | Notes and activities, e.g. pollination, trees, tree planting, woodlands, etc. | Tree Council Ireland | <http://treecouncil.ie/wp-content/uploads/2014/06/module_4.pdf> |
|  | Presentations and worksheets | Variety of simple notes and worksheets to download | Communication4all | <http://www.communication4all.co.uk/http/Growth%20and%20Plants.htm> |
|  | Notes, Cards – one info card for each vegetable | Variety of notes and activities, e.g. food growing cards (very good gardening info), planting a tree, making potting mixes, digging, etc. | Garden Organic | <http://www.gardenorganic.org.uk/schools> |
|  | Worksheets and links | Kerry ETB ‘Learning through Gardening’ (Level 2), includes: worksheets, notes, activities, links | Kerry ETB, NALA | <https://www.nala.ie/resources/kerry-etb-learning-through-gardening-level-2> |
|  | Lessons - pdf | Gardening lessons for learning, some suitable lessons, e.g. parts of a seed, parts of a flower, caterpillars, etc. (USA) | New Jersey Agricultural Society | <http://www.njagsociety.org/basic-gardening-lessons.html> |
|  | Lessons - pdf | Various lessons that can be used, e.g. homes and garden, poinsettias | Skills Workshop | <https://www.skillsworkshop.org/search/apachesolr_search/garden> |
|  | Notes and lesson ideas | Gardening for a healthier you - Various gardening notes and lesson ideas + helpful links (USA, but can be adapted for Irish adults) | Energise your life  Linda Olivas Mathews  Kathleen Manenica  Carol Miles | <https://nutrition.wsu.edu/documents/2017/04/gardening-healthy-introduction.pdf> |

**Useful Organisations:**

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| **Name** | **Contact Information** |
| Bord Bia (Irish Food Board) | Email: [info@bordbia.ie](mailto:info@bordbia.ie) ; Website: <http://www.bordbia.ie> |
| Tree Council of Ireland | Email: [trees@treecouncil.ie](mailto:trees@treecouncil.ie) ; Website: [www.treecouncil.ie/](http://www.treecouncil.ie/) ; Telephone: 00353 1 493 1313 |
| Irish Tree Society | Email: [rww@coolcarrigan.ie](mailto:rww@coolcarrigan.ie) ; Website: <http://www.irishtreesociety.com/> |
| Royal Horticultural Society of Ireland | Email: [info@rhsi.ie](mailto:info@rhsi.ie) ; Website: [www.rhsi.ie](http://www.rhsi.ie) |
| The Irish Garden Plant Society | Website: [www.irishgardenplantsociety.com/](http://www.irishgardenplantsociety.com/) |

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| **MOOCs (Massive Online Open Courses)** | |
| Free access to online courses  Search regularly for new courses and new start dates | <https://www.mooc-list.com/> |