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| HORTICULTURE |
| *Complete 20 stars* |
| Rating | No | Exercises in Horticulture | Sign |
| \* | 1 | Make a flow chart to show how a particular crop in your area is grown, harvested, packaged, transported and marketed |  |
| \* | 2 | Make a display of 12 interesting seeds. Explain how each seed is dispersed (eg. By wind, water, etc) |  |
| \* | 3 | List 5 sets of companion plantings. Give reasons for planting them together or apart |  |
| \* | 4 | Find or make a quantity of material suitable for mulching plants. Put this mulch on an area of garden. Leave for 5 weeks. Write about how effective your mulch was at controlling weeds |  |
| \* | 5 | Present a display showing safety precautions to be used when preparing and using horticultural sprays |  |
| \* | 6 | Present a display showing common garden pests and plant diseases affecting local gardens and horticultural crops |  |
| \* | 7 | Construct and plant a terrarium |  |
| \* | 8 | Find out how compost is made. Draw a cross-sectional diagram of a typical compost heap. List suitable materials for making compost and explain how these materials are broken down |  |
| \*\* | 9 | Make a collection of 10 common weeds, each pressed, mounted and correctly named |  |
| \*\* | 10 | Grow radish from seed. Measure its height at regular times and graph your results |  |
| \*\* | 11 | Keep a record of the growth of a flower from the bud to the fruit or seed. Sketch or photograph each stage and describe these stages |  |
| \*\* | 12 | Prune a tree or shrub at home or at school with the help of an adult. Write a brief account of what was done and why. Include one or two sketches to show where you make the pruning cuts |  |
| \*\* | 13 | Demonstrate how pollination can be done by hand. Observe and record the steps in insect pollination of a flower |  |
| \*\* | 14 | Grow 3 different plants from cuttings and explain how you grew them |  |
| \*\* | 15 | Carry out library research into the ways plants are used as medicines |  |
| \*\* | 16 | Find a plant with all its parts shown – leaves, flowers, fruit, roots, and buds. Press and display labelling clearly the various parts. Also give the functions of each part |  |
| \*\* | 17 | List 5 plants that grow in the wild that can be used as food. Provide information on how 3 of these are prepared |  |
| \*\* | 18 |  Grow 3 punnets of either flower or vegetable seedlings from a packet of seed to the stage when they are ready to plant out. Show your teacher the finished product |  |
| \*\* | 19 | Find out about and present in a suitable way the horticultural practices of the Maori and the different uses they make of the plants |  |
| \*\* | 20 | Grow 3 examples of the same plant in 3 different environments. Measure the heights of the plants after 3 weeks and display your results in a bar graph. Explain what factors improved plant growth |  |
| \*\*\* | 21 | Visit a part in your area. Sketch a plan of the area showing shade trees, shelter plants and ornamental shrubs. Name 10 plants in the area |  |
| \*\*\* | 22 | Design a plan for your backyard to show where you would best place paths, clothesline, compost bin, vegetable garden, children[‘s play area, shade and shelter trees, shrubs and a barbecue area |  |
| \*\*\* | 23 | Find out and learn a practical skill used in horticulture (eg. Seed sowing, soil cultivation transplanting etc). Teach another person the skill you have learned |  |
| \*\*\* | 24 | Find out about different sprays you can mix a t home for the control of insect pests. Make up a spray and apply it to a plant with pests. Write about how effective your spray was |  |
| \*\*\* | 25 | Investigate non-chemical pest control. Describe 5 of these methods. Carry out 2 of them in a garden |  |
| \*\*\* | 26 | Compare plant growth of the same type of plant in sand, normal soil, clay and potting mix. Measure the growth of the plants in each and record your results. Explain your results |  |