

Te Paepae o Aotea Science Badge

BOTANY			
Complete 20 stars			
Rating	No	Activities	Sign
**	1	Make a collection of pressed leaves of 10 different trees. (Identification of trees is not necessary but will earn an extra star).	
**	2	Keep a diary of the growth of a named seed for 4 weeks. (You may draw the stages of growth at 1-2 days interval).	
*	3	Plan a wild plant you like in an improvised container. Bring this to your class.	
*	4	Take a photograph of the silhouette (shadow) of a tree(s).	
*	5	Take a series of photographs of different trees to show their similarities/differences of particular part of the tree. You may draw instead of taking photographs.	
*	6	Visit a botanical garden or reserve and make notes about 5 native plants.	
**	7	Submit a plan for planting a flower bed in your school garden.	
**	8	Put up a display of dried wild plants in your classroom.	
**	9	Raise plants from cutting in two different ways.	
*	10	Use leaves and paint/crayon/felt pens to make an attractive picture.	
*	11	Make a collection of 5 different ferns.	
**	12	Draw, with the help of a microscope, the appearance of 5 different types of pollen grains	
**	13	Observe and make drawings of 4 microscopic aquatic plants.	
**	14	Make a bell-jar or bottle garden.	
*	15	Keep at least 2 different types of plants growing indoors using improvised containers. (Bring healthy specimens to show your classmates).	
**	16	Photograph the growth of a flower from bud to seed/fruit. You may draw instead of taking photographs.	
**	17	Make a collection of 20 different types of plant	

		seeds.	
*	18	Make a display box for your seed collection	
**	19	Make a simple plant press by reading up a book or asking your teacher	
*	20	Write a poem on flower/trees/plants.	
**	21	Rewrite a traditional story that has a botanical theme, in a modern NZ setting- eg Jack and the Beanstalk, Rata's Canoe.	
*	22	Put up a bulletin board on some aspect of plants (eg A display showing different methods of seed dispersal: useful plants, poisonous plants, etc).	
*	23	Raise a plant from kitchen vegetable or fruit scraps eg carrot, pineapple, avocado, pear.	
*	24	Find 4 NZ poems or songs with a botany theme.	
*	25	Design a botany logo for a t-shirt (extra star if screen printed onto shirt yourself)	
*	26	Draw a cartoon with a botanical 'flavour' centred on an endangered NZ plant.	
**	27	Collect, press, mount and identify 5 wild roadside plants.	
**	28	Sketch and identify 3 fungi you have found.	
**	29	Collect, press, mount and identify 5 plants in your garden that can be used as traditional herbal remedies.	
**	30	Design a board game based on the funning of a botanical reserve or park.	
**	31	List the reasons for weeds being classified as noxious, and give 4 examples from your local area.	
**	32	Research and present your findings about a plant unique to NZ.	
*	33	Make a photogram from the fallen leaves, fruit or branches of a tree or plant.	
**	34	Find and record an interview of a person who makes their living in a botanical way.	
**	35	Construct and keep records for 4 weeks of working compost heap.	
**	36	Draw a chart explaining what organic gardening or hydroponic gardening means.	

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