

Discover the various techniques used to create new plants. This hands on activity engages students in the art of propagating plants.

Learning Intention	Success Criteria
Students will be able to understand the three ways of propagating plants. Students will begin to understand the basic needs of plants to survive (root system, sunlight and water).	Students successfully propagate a plant using one of three techniques (seeding, dividing or cuttings).

#### Student Activity

Your students will learn three techniques to propagating their own plant through either seeding, dividing or cuttings. Students will discover what plants need to survive and how plants are able to replicate and reproduce. Students are provided with the opportunity to propagate and pot their own plant to take home.

#### Learning Outcomes

<b>Cognitive</b>	Students are observing how plants can be propagated and how the techniques work. They will inquire about the plants and what plants need to survive.
<b>Affective</b>	Students will start to develop respect towards the plants and the natural environment through having a better understanding of how plants function and having the responsibility to propagate and care for a plant.
<b>Observational Skills</b>	Students describe features of the plants, seeds and how they can grow. Students will learn how to propagate and pot their own plant using one of three techniques: seeding, division and cutting.



La Trobe University's Outdoor Laboratory

Critical Thinking



Communication



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Creativity



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Citizenship



## Curriculum Links

### Year 3-4:

Science knowledge helps people to understand the effects of their actions ([VCSSU056](#))

Living things can be grouped on the basis of observable features and can be distinguished from non-living things ([VCSSU057](#))

Different living things have different life cycles and depend on each other and the environment to survive ([VCSSU058](#))

Safely use appropriate materials, tools, equipment and technologies ([VCSIS067](#))

Represent and communicate observations, ideas and findings to show patterns and relationships using formal and informal scientific language ([VCSIS072](#))

## Summary

Throughout this engaging activity, students will understand that there is various techniques in reproducing a plant. From this experience students will be able to apply one of the techniques and propagate their own plant. From this exercise students will learn how plants can grow from the various techniques and what plants fundamentally need to survive.



### A New Pedagogy Deep Learning (NPD)

The LTWS incorporates the work of Michael Fullan and Maria Langworthy into their activities and support resources.

**Instructional Model** and incorporate a range of activities designed to develop 21<sup>st</sup> Century Learning Skills.

The Propagation activity provides an authentic link to a pedagogy for Meaning-Oriented (Deep) learning. The ticks below provide an indication of the skills this activity is designed to develop.

## Support Materials

The LTWS have (and are) developing a range of support materials that provide additional resources for teachers to explore this NPD framework.

Visit our Webpage – [www.latrobe.edu.au/wildlife](http://www.latrobe.edu.au/wildlife)

Keep in touch via the sanctuaries Blog, Facebook and Youtube pages to discover more about the sanctuary and the opportunities your students can explore.

<http://bit.ly/1TdbMnN>  
<http://on.fb.me/1WeQw fD>  
<http://bit.ly/1V4yMTL>



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