La Trobe Wildlife Sanctuary

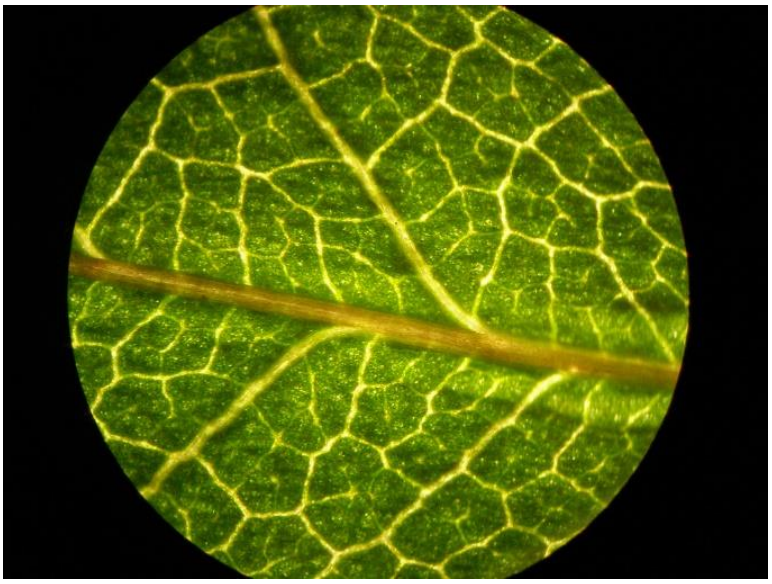
Plants Up Close (F-2)

Discover the many details and quirky characteristics of plants by using a digital microscope to look at them up close. We also discover the smell, sound and feel of different plant parts to differentiate between them.

Learning Intention	Success Criteria
Students will be able to identify different plant parts by observing what appears on a digital microscope. Students will be able to use sensory boxes to learn more about plant parts.	Students can identify 3 different plant parts using their features. Students can identify 3 different plant parts using sensory boxes.

Student Activity
We collect a range of different plant parts, such as leaves, twigs, flowers, etc. Students look at it under a digital microscope. Students will discuss in groups what they think it is, aiming to identify what it is based on its features (e.g. shape, colour). They will hear about how each part is important and the specific functions of each structure. They will also use our sensory boxes to identify different plant parts without being able to see them, relying on their smell, texture and sound.

Learning Outcomes	
Cognitive	Students will understand that different plant parts have different features. Students will identify which part it is based on their observations.
Affective	Students will be intrigued by the sensory boxes and enjoy the feel of the plant parts. Students will enjoy figuring out what part it is with their peers. Students will respect the frailty of some plant parts and respect how easy it is to damage them.
Observational Skills	Students will be able to observe a plant part and identify it. Students will use all of their senses but sight to identify plant parts, using sensory boxes.



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Curriculum Links

Year F-2:

People use science in their daily lives (VCSSU041)
Living things have a variety of external features and live in different places where their basic needs, including food, water and shelter, are met (VCSSU042)
Living things grow, change and have offspring similar to themselves (VCSSU043)
Respond to and pose questions, and make predictions about familiar objects and events (VCSIS050)
Participate in guided investigations, including making observations using the senses, to explore and answer questions (VCSIS051)
Use informal measurements in the collection and recording of observations (VCSIS052)
Compare observations and predictions with those of others (VCSIS054)

Summary

Throughout this engaging activity, students will begin to understand the diversity of plants and their different parts. They observe different plant parts on a screen and discuss with peers what they think it might be. They will learn about the plant part and how it contributes to the health and growth of the plant. They will also use sensory boxes to learn how to identify plants when they cannot see what it is.

A New Pedagogy Deep Learning (NPDL)

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 21st Century Learning Skills.

The **Plants Up Close** 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 NPDL framework.

Visit our Webpage – 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/1WeQwfD
http://bit.ly/1V4yMTL