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| <p><b>Big Understandings (ACT Curriculum)</b></p> <ol style="list-style-type: none"> <li>1. Biodiversity is the variety of all living things</li> <li>2. The earth is always changing</li> <li>3. The timeframe in which life operates is beyond our personal experience</li> <li>4. Living things need to change and adapt to survive</li> <li>5. Earth and all living things are interconnected</li> <li>6. Australia is a unique and ancient land. SA has a diverse ecosystem</li> <li>7. Human impact and the environment always affects biodiversity</li> </ol>   | <p><b>DECS Sustainable/Attainable</b></p>  | <p><b>Resources</b></p> <p><a href="http://www.waterwatchadelaidelade.net.au/">http://www.waterwatchadelaidelade.net.au/</a></p> <p><a href="http://www.backyards4wildlife.com.au">http://www.backyards4wildlife.com.au</a><br/> <b>Go to Resources and downloads- Education Resources-Zoom Lens Project</b></p> <p><i>Richmond Primary School's Kaurna Trail plant list For the names of local species planted in our school and the butterflies attracted to them.</i></p>   | <p><b>Student Action</b></p> <ol style="list-style-type: none"> <li>1. Focus on insects</li> <li>2. Focus on water life</li> </ol> <p>Both groups take Zoom Lens approach Study what they eat/eatsthem etc<br/>         Experiment with effective ways to catch bugs</p> <p>Build habitat create a landscape/habitat</p> |
| <p><b>age appropriate understandings</b></p> <p>Biodiversity is:</p> <ul style="list-style-type: none"> <li>• the variety of all living things, including micro organisms, plants and animals</li> <li>• determined by chance and adaptation</li> <li>• essential for a sustainable future</li> </ul> <p>Introduce students to key components of biodiversity:</p> <ul style="list-style-type: none"> <li>• the earth and its diversity</li> <li>• (SA's) unique ecosystem</li> <li>• human impact on biodiversity</li> </ul> <p>(The greater the variety of species the stronger the system. If one thing disappears it upsets the balance of the eco-system)</p> <p><a href="http://www.sustainableschools.act.gov.au/curriculum">http://www.sustainableschools.act.gov.au/curriculum</a><br/>         Scroll down click on Biodiversity for PDF program resource.</p> | <p><b>SACSAF</b></p> <p>Science: Classification insects, invertebrates, macroinvertebrates</p> <p><b>SOSE:</b></p> <p><b>Maths:</b></p> <p><b>Genre</b></p> <p>Information Report Zoom Lens</p> <p>Exposition - Human Impact</p> | <p><b>For local id charts and resources check out the NRM resources on the moodle</b></p> <p><b>NRM guest speakers on water bugs</b><br/>         NRM will also provide magnifying viewers and would bring samples of pond water for identification of life<br/>         Also laminated identifier sets for loan</p> <p>Vale Park identifiers</p> <p>Nature Ed animal loans lizards, leaf insects</p> <p>Leaves on plants bugs on leaves Why do they like some not others?<br/>         Bugs at home/nearby parks<br/>         Ant farm<br/>         Botanic Gardens<br/>         Nearby parks</p> | <p><b>Evaluate &amp; Communicate</b></p> <p>Scientific presentation/display of learning to other class( visual, poster, electronic)</p>  |