

TERMLY PLANNING: Science - How we see things? Term: 5 2011/2012 Year: 6

Week	Learning Objectives	Activities	Words that all children need to know	Resources
1	<p><b>WALT: use a microscope to identify onion cells</b></p> <p><b>CH:</b> support BR, GC, AS, SA Go over parts of the microscope, repeat KQ - what are cells?</p>	<p><b>Starter:</b> show picture of light microscope - Chn to remember names of parts for labelling</p> <p><b>Main activity:</b>  <b>KQ:</b> what are all living things made of? <b>Think, pair, share</b>                      'Building blocks' = plant and animal cells  <b>KQ:</b> do you think you would be able to see plant or animal cells under a microscope?  <b>Explain:</b> activity today will be to prepare a specimen of plant cells from an onion to then identify the individual cells  <b>Demonstrate:</b> show on visualiser how to prepare a single layer of onion cells, using tweezers, to be viewed under the microscope.                      Then show on microscope camera - can anyone see individual cells?  <b>Activity:</b> in groups, Chn to prepare their own slides of cells  <b>Extension:</b> if time, Chn to draw cells in their science books (large, 2D, accurate drawing in pencil - not a sketch or any shading!)</p> <p><b>Plenary:</b>  <b>KQ:</b> did all groups manage to identify cells under the microscope?  <b>KQ:</b> chn to repeat 3 stages of preparation of sample  <b>KQ:</b> what are all living things made of?</p> <p>Show Youtube video of 'microscopic images'</p>	<p>microscope                      Cell                      Lens                      Stage                      Stage clips                      Slide                      Building blocks</p>	<p>Science books                      Microscopes                      Onion                      Tweezers                      Petri dishes                      Visualiser                      Microscope camera</p>