

## Extension homework

### Making you a better scientist

<p><b><u>Sun Spotter</u></b> <b><u><a href="http://Sunspotter.org">Sunspotter.org</a></u></b></p> <p>Help real science progress. You work here will help scientists to collect information about what is happening on the sun's surface.</p> <p><b>How to do this homework:</b> Keep your own record of what you find.</p> <p>Could you present this data in any way (bar chart, pie chart, graph etc)</p> <p>What do you think this data means?</p>	<p><b><u>Galaxy zoo</u></b> <b><u><a href="http://Galaxyzoo.org">Galaxyzoo.org</a></u></b></p> <p>Scientists are trying to look at how galaxies change and therefore be able to make a prediction on what will happen to our galaxy in the future</p> <p><b>How to do this homework:</b> Click: begin classifying.</p> <p>Keep your own record of what you find.</p> <p>Could you present this data in any way (bar chart, pie chart, graph etc)</p> <p>What do you think this data means?</p>	<p><b><u>Bat detective</u></b> <b><u><a href="http://BatDetective.org">BatDetective.org</a></u></b></p> <p>Click get searching. Take your ears on a drive through our database - and tell us what you see and hear. Listen out for bats, insects and other sounds.</p> <p><b>How to do this homework:</b> Keep your own record of what you find.</p> <p>Could you present this data in any way (bar chart, pie chart, graph etc)</p> <p>What do you think this data means?</p>
<p><b><u>Comet Hunters</u></b> <b><u><a href="http://zooniverse.org">zooniverse.org</a></u></b></p> <p>Another way you can help science progress. It is important that we know what is in the solar system and the galaxy. In this research you will be trying to help scientists compile evidence of asteroids and comets.</p> <p><b>How to do this homework:</b> Keep your own record of what you find.</p> <p>Could you present this data in any way (bar chart, pie chart, graph etc)</p> <p>What do you think this data means?</p>	<p><b><u>Worm Watch lab</u></b> <b><u><a href="http://WormWatchLab.org">WormWatchLab.org</a></u></b></p> <p>Scientists are trying to find out everything they can about the way in which genes work and how our genes affect behaviour. Help them by clicking begin hunting and look at what the worms do. This will help lead to a development in understanding our own genes.</p> <p><b>How to do this homework:</b> Keep your own record of what you find.</p> <p>Could you present this data in any way (bar chart, pie chart, graph etc)</p> <p>What do you think this data means?</p>	<p><b><u>Penguin watch</u></b> <b><u><a href="http://PenguinWatch.org">PenguinWatch.org</a></u></b></p> <p>These images are taken in the arctic and it is your job to say how many penguins you can see. They also need you to record how many baby penguins and eggs you can see.</p> <p><b>How to do this homework:</b> Keep your own record of what you find.</p> <p>Could you present this data in any way (bar chart, pie chart, graph etc)</p> <p>What do you think this data means?</p>

Now look at the PDF document called 'Y7 and 8 HW experiments' for some Science experiments that you can try at home.