

# Your climate your life -Teachers notes

## Flowers for the Future

### Greener Gardens

#### Learning objectives:

- To understand how plants adapt to the environment
- To analyse climate graphs and consider the relationship between climate and ecosystems
- To explore which type of plants may survive in the changing climate in the UK
- To develop an awareness of ways to reduce carbon emissions

	Activity	Learning	Resources
<b>Starter</b>	<p><b>Adapting to change</b></p> <p>Find out how different plants have adapted</p>	<p>These images of plants can be discussed before rolling over with a mouse to find out the key features of the adaptation. The four types of plants are for wet, dry, hot and cold conditions.</p>	<p>Images of plants</p>
<b>Main Activity</b>	<p><b>What grows where?</b></p> <p>Analyse climate graphs and find out which plants grow where</p>	<p>This activity can be done on an interactive whiteboard as each of the climate graphs can be discussed before matching the descriptions to the correct places. The type of biome can also be matched to the correct location followed by the type of plant.</p>	<p>Interactive activity</p>

<b>Main Activity</b>	<b>How does your garden grow?</b>	<p>This is a research activity which follows on from learning about which plants can survive with the least amount of watering. Students can research using the websites and the information sheets to design their own garden in pairs or in groups. The design template gives students a number of options available using their limited budget. Students should follow the steps outlined and prepare to present their designs to the rest of the class.</p>	<p>Websites</p> <p>Download information on plants and flowers in the future</p> <p>Download garden design template</p>
<b>Plenary</b>	<b>Stand up and deliver</b>  Present designs	<p>Students can assess each other using the criteria on the download which can be adapted by the students to include different points. Each group of designers should also decide on a name for themselves.</p>	<p>Download evaluation grid</p>