### Year 7 Biology Spring 1 Level Ladder

All students are expected to master at least the Level 4 content by the end of the half term.

# Check Arbor or ask your child what their current working and target level is in science

**Topics: Cells** 

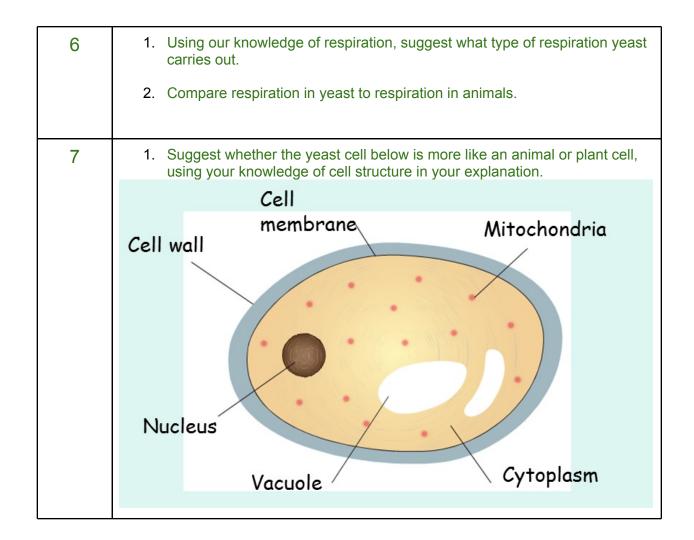
#### EG:

4A - mastered all of the Level 4 content

4B - mastered some of the Level 4 content

4C - mastered all of the Level 3 content and beginning to master some Level 4 content

Level	Sample tasks
3	<ol> <li>Name 3 types of micro-organisms.</li> <li>Say what we mean by micro-organism.</li> </ol>
4	Describe the function (job) of the cell below.  2. Carry out an experiment using an agar plate, describing what we need the agar plate for and what conditions we need to leave it in.
5	<ol> <li>Explain two ways the cell above is adapted to its function.</li> <li>Explain what we can use yeast for, using respiration by-products in your answer.</li> </ol>



## Year 7 Physics Spring 1 Level Ladder

All students are expected to master at least the Level 4 content by the end of the half term.

### Check Arbor or ask your child what their current working and target level is in science

**Topics: States of matter** 

#### EG:

4A - mastered all of the Level 4 content

4B - mastered some of the Level 4 content

4C - mastered all of the Level 3 content and beginning to master some Level 4 content

Level	Sample tasks
3	<ol> <li>Draw the circuit symbol for a bulb.</li> <li>Give an example of an insulator.</li> <li>Give an example of a conductor.</li> </ol>
4	<ol> <li>Describe how a series and a parallel circuit are different.</li> <li>Describe what we mean by 'electric current', using the word <i>electrons</i>.</li> </ol>
5	<ol> <li>Explain how current travels around a parallel circuit and one advantage of a parallel circuit.</li> <li>Explain the difference between voltage and current.</li> </ol>
6	Explain why bulbs are brighter in parallel than in series (assuming the same bulbs and batteries). Use the word <i>current</i> in your answer.
7	Evaluate our model of an electric circuit, suggesting ways it is accurate and not accurate.

# Year 7 Chemistry Spring 1 Level Ladder

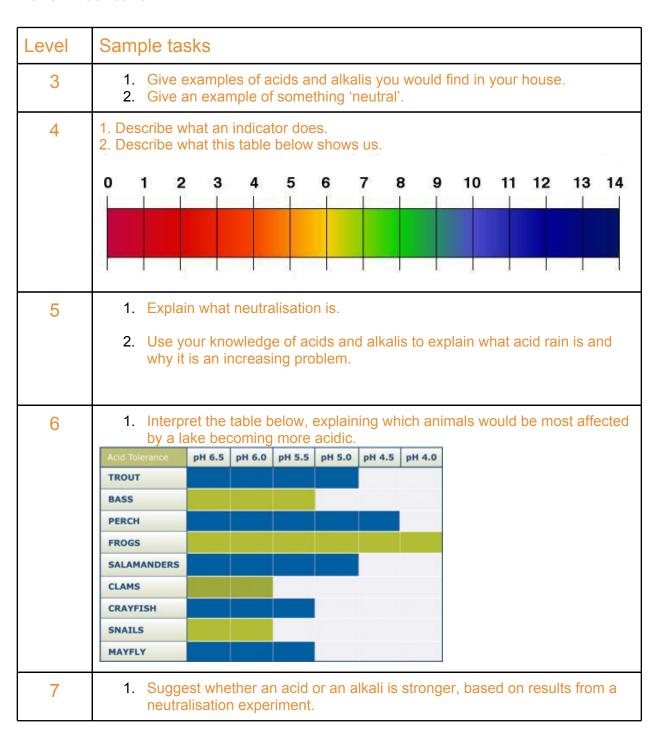
All students are expected to master at least the Level 4 content by the end of the half term.

Check Arbor or ask your child what their current working and target level is in science

**Topics: Separation techniques** 

### EG:

- 4A mastered all of the Level 4 content
- 4B mastered some of the Level 4 content
- 4C mastered all of the Level 3 content and beginning to master some Level 4 content



In science in year 7, students study the sciences as three separate subjects.

Each week students will have one physics lesson, one chemistry lesson and one biology lesson.

Students will be assessed on their understanding of each science.

Students will be given one level for science (rather than three separate ones) each half term. This will be the mean across the three sciences.