## 7BC Biology - Cells

Microscopes, Cell structure, bacteria and uses, yeast cells, Transport within cells and gas exchange.

#### 7CP Chemistry – Particles

Particle Model of Matter, Diffusion, Solutions and pressure, Separating Mixtures.

### 7PE Physics - Energy

Energy paths and transfers, calculations of gravitational potential energy, kinetic energy, elastic energy, energy sources, renewable and non-renewable energy resources, sustainability.

#### Assessment:

End of topic test for each unit.

## 7BR Biology – Reproduction

Puberty, Fertilisation, Gestation and Birth, Menstrual cycle, Plant reproduction, germination, variation, evolution.

## 7CC Chemistry – Chemical Reactions

Acids and Alkalis, Oxidation Reactions, Metals and Acids, Titration, Antacid Investigation.

## Revision for mid-year assessment

Time will be spent revising topics from the autumn term for the midyear exam.

#### Assessment:

Mid-Year assessment – 7BC Cells, 7CP Particles and 7PE Energy.

End of topic test for each unit

### 7PF Physics - Forces

Force Diagrams, Contact and Non-Contact forces, calculations, weight and mass, Investigation speed, Friction, Parachutes, Distance/time graphs, speed calculations.

### 8BE Biology – Ecology from Year 8 scheme

Sampling,
Photosynthesis,
competition within plants
and animals, adaptations,
biodiversity, global
warming, sustainability.

# Revision for End of year assessment

Time will be spent revising all topics for the end of year exam.

#### **Assessment:**

End of Year exam will be based on all topics taught this year

End of topic test for each unit.

#### Useful resources for supporting your child at home:

Oak national academy lessons BBC bitesize

## Homework:

Weekly Carousel Quizzes will be sent to yours and your child's email address.