

Create hypothesise formulate design imagine compose develop improve	<ul style="list-style-type: none"> • Suggest and explain improvements to experimental techniques in required practicals. • Apply understanding in unfamiliar contexts. • Design a safe plan and identify risk factors.
Evaluate recommend persuade debate justify assess conclude determine	<ul style="list-style-type: none"> • Evaluate the use of stem cells and our use of global resources and justify the use of biofuels. • Evaluate experimental techniques and be able to use standard form to give answers. • Extract, evaluate and interpret information from charts, graphs and tables. • Evaluate the advantages and disadvantages of modern farming techniques. • Evaluate the environmental implications of deforestation. • Evaluate the issues related to Food production (Biology only).
Analyse infer research investigate question appraise examine prioritise organise	<ul style="list-style-type: none"> • Analyse data in different contexts. • Question human actions on our environment. • Investigate the factors that affect decay (Biology only). • Investigate how waste, deforestation and global warming have an impact on biodiversity
Apply demonstrate manipulate calculate practise identify use	<ul style="list-style-type: none"> • Demonstrate how to grow microbes applying aseptic techniques (Biology only). • Calculate means, magnification, volume to area ratios, rates, percentages, x sectional area of bacterial colonies or clear areas. • Identify the stages of the cell cycle and how stem cells in embryos, adults and plants can be used. • Use a light microscope to observe animal and plant cells. • Calculate the efficiency of biomass transfer between trophic levels (Biology only).
Understand explain interpret give examples estimate illustrate	<ul style="list-style-type: none"> • Give examples of different types of microscopes. • Interpret data and explain it using osmosis. • Explain the differences between diffusion, osmosis and active transport. • Explain how mitosis results in growth. • Illustrate food chains and webs and estimate the population of common species in a habitat using sampling techniques. • Carry out required practical into decay and give examples of food production (Biology only).
Remember list recognise define recall label	<ul style="list-style-type: none"> • Suggest and explain improvements to experimental techniques in required practicals. • Apply understanding in unfamiliar contexts. • Design a safe plan and identify risk factors.

Create hypothesise formulate design imagine compose develop improve	<ul style="list-style-type: none"> • Suggest and explain improvements to experimental techniques in required practicals. • Evaluate experimental techniques. • Apply their understanding in unfamiliar contexts. • Suggest improvements to methods in required practicals. • Hypothesise the relationship between 2 variables.
Evaluate recommend persuade debate justify assess conclude determine	<ul style="list-style-type: none"> • Evaluate different treatment methods for heart disease. • Evaluate the global use of vaccination in the prevention of disease. • Justify the wide spread use of vaccination to provide herd immunity within a population. • Conclude which type of blood vessel is shown when information is provided. • Justify treatment choices in heart disease.
Analyse infer research investigate question appraise examine prioritise organise	<ul style="list-style-type: none"> • Investigate the effects of different factors on the rate of photosynthesis. • Analyse data from required practicals. • Research the cause and symptoms of some diseases. • Infer conclusions from data provided.
Apply demonstrate manipulate calculate practise identify use	<ul style="list-style-type: none"> • Apply knowledge to unfamiliar contexts. • Identify the variables in required practicals. • Calculate the rate of photosynthesis (Higher Tier – Use of the inverse square law). • Identify the chemicals used to test for foods. • Identify the differences between malignant and benign tumours.
Understand explain interpret give examples estimate illustrate	<ul style="list-style-type: none"> • Explain how lifestyle choices can affect health and explain the body's response to exercise. • Explain how white blood cells protect the body against pathogens. • Interpret data related to required practicals. • Give examples of uses of glucose in a plant. • Understand some causes of communicable diseases.
Remember list recognise define recall label	<ul style="list-style-type: none"> • Define the levels of organisation in multicellular organisms. • Label the organs in the digestive, circulatory and respiratory system. • Label the tissues in a leaf. • Recall the defence mechanisms that protect the body against pathogens. • Recall the word equation for photosynthesis and respiration.

Create hypothesise formulate design imagine compose develop improve	<ul style="list-style-type: none"> • Create a timeline for the formation of fossils. • Suggest and explain improvements to experimental techniques in required practicals. • Evaluate experimental techniques. • Apply their understanding in unfamiliar contexts.
Evaluate recommend persuade debate justify assess conclude determine	<ul style="list-style-type: none"> • Evaluate information around the relationship between obesity and diabetes, and make recommendations considering social and ethical issues. • Evaluate the benefits and risks of procedures carried out on the brain and nervous system (Biology only). • Determine the effect of different factors on auxin distribution (Biology only). • Evaluate the use of genetic engineering, cloning and selective breeding. • Justify the use of embryo screening.
Analyse infer research investigate question appraise examine prioritise organise	<ul style="list-style-type: none"> • Investigate how factors affect reaction times. • Analyse data from required practicals. • Examine results and draw conclusions. • Appraise developments in the use of fertility treatments.
Apply demonstrate manipulate calculate practise identify use	<ul style="list-style-type: none"> • Identify the causes of variation. • Calculate the probability of traits being inherited using a Punnett square. • Apply the principles of negative feedback to the control of blood glucose. (Higher Tier - additional knowledge of glucagon). • Demonstrate how to measure reaction time. • Identify the type of cell division from diagrams.
Understand explain interpret give examples estimate illustrate	<ul style="list-style-type: none"> • Explain how the structure of the nervous system is adapted to its functions. • Illustrate using ray diagrams how hyperopia and myopia can be corrected using glasses (Biology only). • Explain how homeostasis uses negative feedback (Higher Tier only). • Give examples of inherited diseases. • Explain the benefits of genetically modified crops. • Illustrate the inheritance of disease using Punnett squares. • Interpret evolutionary trees.
Remember list recognise define recall label	<ul style="list-style-type: none"> • List the steps involved in natural selection. • Recall the 3 types of neuron. • Recall the different forms of contraception. • Recall the hormones involved in the menstrual cycle (Higher Tier only).