Science at Hayle Academy

TRURO COLLEGE

KS4 — AQA

Revision Carousel

Exam paper practice
Revise and practice exam papers in preparation for your final exam in Science.

Formal Trial Exams

Revision focus: On-line tools and own choice

Ecology — Using Resources, Electricity & Magnetism & Space (Triple)

Required practical: I/V graphs, Electrolysis, Resistors II

Science Skills: Methods, Accuracy, Graphs

Variation & Classification — Chemistry of the Atmosphere, Waves

Formal Trial Exams

Revision focus: Knowledge organisers

Revision focus: Knowledge organisers/ mind maps

Required practical: Osmosis, Extension of spring, Energy Changes

Variation & Classification — Chemical Analysis, Forces

YEAR 11

Assessment: Summer Term

Revision focus: On-line tools

Science Skills: Equations, Errors, Variables

Inheritance — Organic Chemistry, Forces

Revision focus: Self-testing

Required practical: Photosynthesis

Homeostasis — Rates of Reaction, Atomic Structure & Radioactivity

Assessment: Spring Term

Revision focus: Flash cards

Science Skills: Methods

Required practical: Soluble Salts

Formal Y10 exam

Science Skills: Equations, Variables, resolution

Bioenergetics — Energy Changes, Atomic Structure & Radioactivity

Revision focus: Mind maps

Required practical: Acceleration

Revision focus: Picture Notes

Required practical: Density

Science Skills: Quant vs qual, Tangents, Variables

Assessment: Autumn Term

Required practical: Food tests, Enzymes

Revision focus: Knowledge organisers

Infection & Response — Energy Changes, Electricity

Infection & Response — Chemical Changes, Electricity

Science Skills: Quant vs qual, Tangents, Variables

Required practical: Energy changes, Rates, Potable water, Chromatography

YEAR 10

End of year exam

Revision focus: Flash cards

Required practical: Ecological sampling

Science Skills: Sampling, Bias, means

Revision focus: Self-testing

Bioenergetics — Chemical Changes, Electricity (ELC – Electricity & Waves)

Revision focus: Mind maps

Science Skills: Models, Equations, Unit conversion

Required practical: Energy transfers

Infection & Response — Chemical Changes, Electricity (ELC – Chemistry in our World)

Assessment: Autumn Term

Revision focus: Picture notes

Science Skills: Uncertainty, Means, Variables, Evaluation, Equations

Organisation — Bonding & Properties, Particle Model (ELC – Energy & Environment)

Required practical: Reflexes

Revision focus: Knowledge organisers

Required practical: Microscopy

Cell Biology — Atomic Structure, Energy, Model (ELC – Human Body & Environment)

Science Skills: Pie charts, Modelling, Using equipment, Graphing, Predictions, Converting units

YEAR 9

T5 — Ecosystems – Respiration, Recycling, Electromagnetism & magnetism

Revision focus: Online tools, picture notes

Science Skills Hypothesis, tables, charts, conclusions

Assessment T4

Assessment T5

Science Skills Variables, tables, line graphs

Revision focus: Online tools

T6 — Ecosystems – Biodiversity, Energetics, Pressure

Revision focus: Mind maps, Picture notes

Assessment T6

Science Skills Use all your skills to plan and carryout an investigation

Revision focus: Knowledge Organisers, Flash cards, Picture notes, mind map

Science Skills Variables, tables, method, conclusions, evaluation

T4 — Ecosystems - Photosynthesis, The Earth, Electricity Circuits

Revision focus: Self testing, online tools, knowledge organiser

Science Skills Variables, tables, method, conclusions, evaluation, bias

Revision focus: Mind maps, Picture notes

T3 — Variation, Chemical Reactions, waves

T2 — Inheritance, Acids & Alkalis, Energy Changes

T1 — Human Reproduction, Periodic Table, Forces & Energy

Assessment T3

Science Skills Method, Risk assessment, Graph

Assessment T2

Assessment T1

KS3

Science Skills Hypothesis, tables, charts, conclusions

Revision focus: Online tools, picture notes

Science Skills Risk assessments, methods evaluation

Assessment T5

Science Skills Risk assessments, methods evaluation

Assessment T6

T4 — Intro to Reproduction, Separation Techniques, Domestic Electricity

T5 — Ecology, Climate, Fuels & Renewable energy

T6 — Interdependence, Metal Extraction, Space

YEAR 8

Assessment T3

Assessment T4

Revision focus: Knowledge Organisers, flash cards and self-testing

Science Skills Risk assessments, conclusions, line graphs

Revision focus: Knowledge Organisers, mind maps

Science Skills Variables, tables, line graphs

Revision focus: Knowledge Organisers, mind map

T3 — Health & Lifestyle, Chemical Reactions, Sound & Light

T2 — Body Systems, Periodic Table intro, Energy Transfers

T1 — Cells, Particles, Effects of Forces

YEAR 7

Assessment T2

Revision focus: Knowledge Organisers, flash cards and self-testing

Science Skills Risk assessments, conclusions, Bar charts

Assessment T1

Revision focus: Knowledge Organisers, picture notes, mind maps

Introduction to Lab safety: Working Scientifically

WELCOME To Hayle Academy and the Science department!