

Science Skills Learning Journey



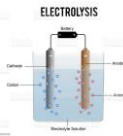
FINAL GCSE EXAM



INVESTIGATION SKILLS AND RP REVISION

B7 POPULATION SAMPLING
C4 MAKING SALTS
C4 ELECTROLYSIS
P6 WAVE SPEED
P6 INFRARED RADIATION

B5 GERMINATION SEEDS **B7 DECAY**
C4 TITRATIONS
C8 IDENTIFYING IONS
P1 THERMAL INSULATION
P6 REFLECTION AND REFRACTION



RP'S USING MORE SPECIALISED EQUIPMENT

YEAR 11

B4 PHOTOSYNTHESIS
C6 RATES OF REACTION
P3 DENSITY

B6 REACTION TIMES
C5 TEMPERATURE CHANGE
P5 EXTENSION OF A SPRING

P5 $F = ma$

MOCK REVISION FOR RP'S AND INVESTIGATION SKILLS



MORE SPECIALISED RP'S USING MOSTLY STANDARD EQUIPMENT

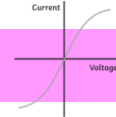
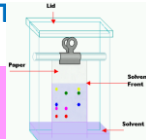
YEAR 10

B1 MICROSCOPY
C8 CHROMATOGRAPHY
P1 SPECIFIC HEAT CAPACITY

B1 OSMOSIS

B2 FOOD TESTS
C10 POTABLE WATER
P2 RESISTANCE

B2 ENZYMES
P2 IV CHARACTERISTICS



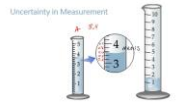
USE OF MORE SPECIALISED EQUIPMENT, CHOICE OF EQUIPMENT, REPRODUCIBLE, RANGE, UNCERTAINTY

RP'S THAT MOSTLY USE COMMON EQUIPMENT MET AT KS3

YEAR 9

HYPOTHESIS TESTING, INVESTIGATING PATTERNS, COLLECTING ENOUGH DATA, DIFFERENT WAYS OF DEVELOPING NEW THEORIES OR DISCOVERIES, PEER REVIEW

KS4



ACCURATE, PRECISE, REPEATABLE, ANOMALIES, LINES OF BEST FIT, PATTERNS IN GRAPHS

YEAR 8

HAZARDS AND RISKS AND HOW TO BE SAFE IN LABS

INTRODUCTION TO INVESTIGATION SKILLS – METHOD WRITING, VARIABLES, RESULTS TABLES, GRAPHS, MEANS, CONCLUSIONS

HOW TO USE COMMON EQUIPMENT

YEAR 7

KS3

Independent Variable/unit	Dependent Variable/unit			Average
	Test 1	Test 2	Test 3	

