

Triple Biology

Achieving your personal best

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Walking talking mocks

Paper 1 – School Mock exams – Sum 1 & 2

Revision week

Adrenaline & Thyroxine
Puberty & Menstrual cycle – role of 4 hormones
Diabetes & Urine analysis Practical
Controlling body temperature
The eye & vision defects
The Endocrine system

The synapse and effect of drugs on the synapse – link to required practical

CATCH-UP time for homeostasis & response

Plant Hormones & commercial uses of plant hormones

Controlling Fertility – Contraception & Fertility

The kidneys & Kidney failure

Controlling Blood sugar levels – Insulin & Glucagon

The Brain

Required practical – Reaction times – effect of caffeine

Conscious action & Reflex actions

Homeostasis & introduction to the nervous system

AQA Combined Science Paper 1: B4 – Bioenergetics

Photosynthesis – equation & starch test

Factors affecting the rate of photosynthesis

Respiration – Aerobic & anaerobic in humans and fungi

Anaerobic respiration in yeast – Practical & write-up

Paper 1 - Mock Science exams – Spr 1

AQA Combined Science – Paper 2- B5 – Homeostasis & Response

Revision week

Aut 2 – half term assessment – B1, B2, B3

Walking talking mocks

Structure of the leaf & adaptations

Required Practical – Effect of light intensity on rate of Photosynthesis

Effect of exercise & metabolism

Plant diseases & defences

Monoclonal antibodies

Antibiotic resistance – how it happens & prevention

Drugs & Drug trialing

Vaccinations & immunizations

Transmission of disease & prevention

Communicable diseases – viral – Aids, Measles & TMV

Types of microbes & how they cause disease

AQA Combined Science Paper 1: B3 – Infection & Response

Aut 1 – half term assessment – B1, B2 & practical skills

Retrieval of Year 9 topics B1 & B2

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The immune response – role of white blood cells

Communicable diseases – Protist, fungal diseases

Communicable diseases – bacterial – salmonella, gonorrhoea,

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Triple Chemistry

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Paper 1 – School Mock exams – Sum 1 & 2

Revision week

- Addition Polymers & condensation polymers
- Carboxylic acids & Esters
- Cracking of alkanes & comparison of alkanes & alkenes
- Crude oil & hydrocarbons - Alkanes

AQA Combined Science – Paper 2- C7 – Organic Chemistry

- Atom Economy
- Gases & solutions
- Limiting reactants (Higher only)
- Percentage yield
- Moles & % mass calculations
- Concentration of solutions
- Reacting masses calculations

Walking talking mocks

- Naturally occurring polymers
- Alcohols
- Alkenes & reactions of Alkenes
- Fractional distillation

AQA Combined Science Paper 1: C5 – Energy Changes

- Endothermic & Exothermic reactions
- Bond energy calculations
- Fuel cells

Paper 1 - Mock Science exams – Spr 1

Revision week

Walking talking mocks

AQA Combined Science Paper 1: C3 – Quantitative chemistry

- Conservation of Mass
- Relative formula mass calculations

Aut 2 – half term assessment – C1, C2 & C4

Required practical – electrolysis of Brine

Required Practical – temperature change

Cells & Batteries

Electrolysis of solutions

Titrations & calculations

Required practical – Making salts

Separating metals from their ores & reactivity series

The reactivity series

Electrolysis of Aluminum oxide

Electrolysis – Molten ionic compounds

Acids and Acid reactions

Redox reactions & ionic equations

Displacement reactions & word equations

AQA Combined Science Paper 1: C4 – Chemical changes

Aut 1 – half term assessment – C1, C2 & practical skills

Perfecting practical skills & Retrieval of topics C1 & C2

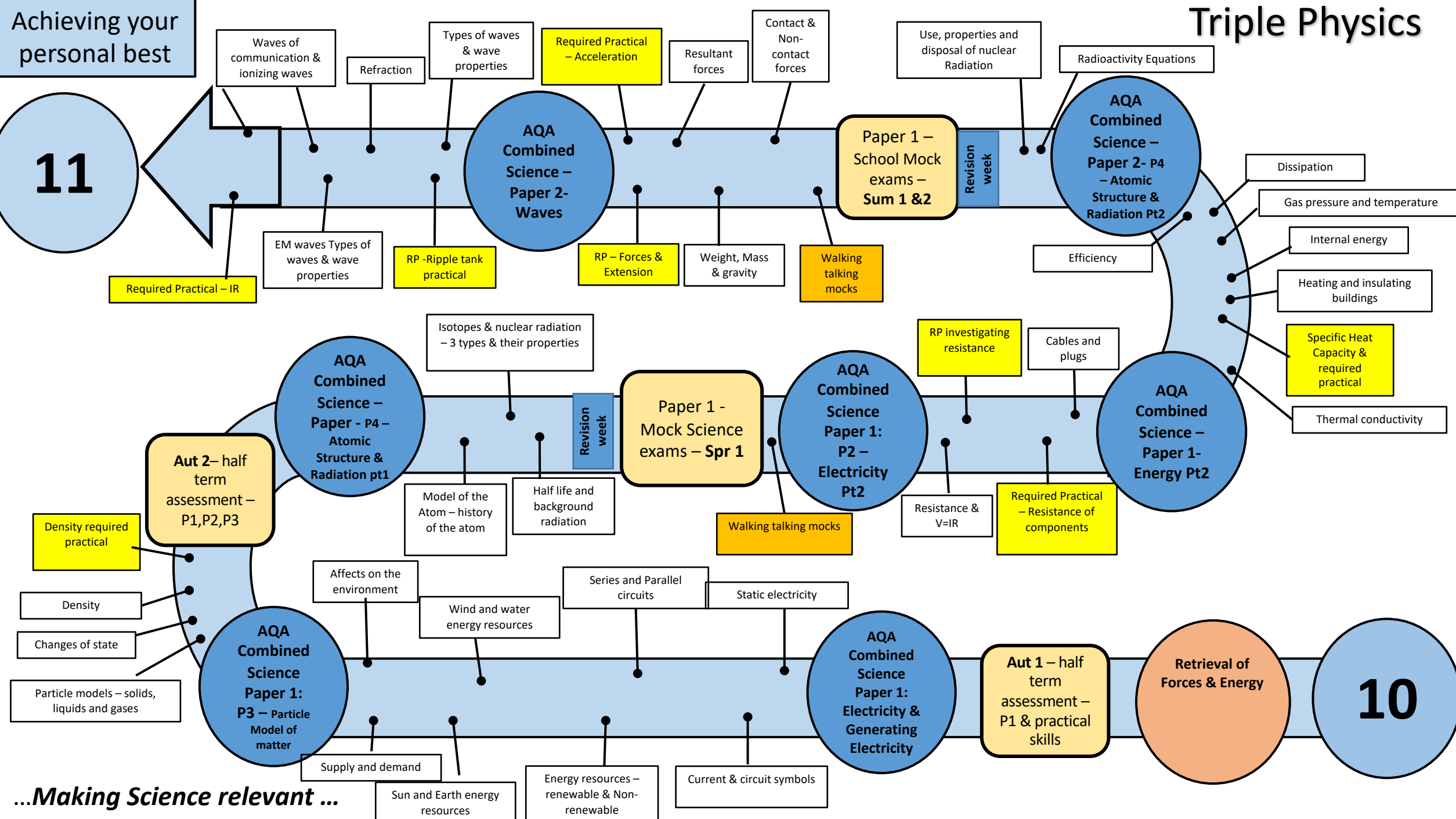
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Triple Physics

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