

Combined Science – paper 1

11th Jan X band, 12th Jan Y band

Higher

- Mr – relative formula mass and % composition
- Graphene / Graphite
- $W = F \times s$, $E = P \times t$
- Pathogens, white blood cells, vaccines
- Reacting mass calculation
- Ionising radiation, half-life
- Eukaryotic cells
- Aerobic and anaerobic respiration

Foundation

- Communicable disease
- Body defences against pathogens
- Atomic structure
- Mr – relative formula mass and % composition
- Alpha, beta and gamma radiation
- Decay equations
- Specific heat capacity
- Aerobic and anaerobic respiration
- Graphene / Graphite
- $W = F \times s$, $E = P \times t$

Combined Science – paper 2

24th Jan X and Y band

Higher

- Reaction time required practical
- Rates of reaction including tangent lines
- Factors that effect the rate of a reaction
- Adaptations of animals to their environment
- Resultant force
- Vector diagrams including parallelogram of forces
- % change
- Changes to the atmosphere
- Human influence on recent atmospheric changes

Foundation

- Contact and non contact forces
- Resultant force
- Centre of mass
- Gas production – rates of reaction practical
- Factors that effect the rate of a reaction
- Reaction time required practical
- Earth's atmosphere
- Changes to the atmosphere
- Adaptations of animals to their environment