KS5 APPLIED SCIENCE
SUBJECT MAP

Post-16 Immanuel College

Immanuel SCIENCE – Sparking imagination to ignite discoveries

Y12

BIOLOGICAL MOLECULES

IONIC & COVALENT BONDING

UNIT 1 – PRINCIPLES AND APPLICATIONS OF BIOLOGY;
UNIT 2 – PRINCIPLES AND APPLICATIONS OF CHEMISTRY

CELLS & TISSUES

ATOMS & ELECTRONS

PERIODICITY

ORGANIC CHEMISTRY

ENZYMES

DIFFUSION & OSMOSIS

UNIT 1 – CELLULAR TRANSPORT AND ENZYME ACTIVITY;
UNIT 2 – PHYSICAL AND ORGANIC CHEMISTRY; UNIT 4 – LEARNING AIMS A AND B

PRACTICAL SKILLS

PHYSICAL CHEMISTRY

ACTIVE TRANSPORT

APPLICATION & REVIEW

SCIENTIFIC DATA

COURSEWORK

UNITS 1 AND 2 – REVISION AND EXTERNAL ASSESSMENT PREPARATION;
UNIT 4 – COURSEWORK COMPLETION

CALCULATIONS

EXTERNAL ASSESSMENT

Y13

CONTEMPORARY ISSUES

COMMUNICATION

REFRACTION & TIR

UNIT 3 – WAVES AND OPTICAL FIBRES;
UNIT 4 – LEARNING AIM C; UNIT 6 – LEARNING AIM A

ENERGY TRANSFER

OPTICAL FIBRES

WAVES

NEWTON'S LAW

TRANSPORTATION

ORGANISATIONS & SCIENCE

UNIT 3 – FORCES, MOTION AND NEWTON'S LAWS;
UNIT 4 – LEARNING AIM D; UNIT 6 – LEARNING AIM B

FORCES & MOTION

MOMENTUM

PRACTICAL SKILLS

ORGANISATIONS & SCIENCE

SCIENTIFIC COMMUNICATION

ENERGY TRANSFER

UNIT 3 – ELECTRICAL CIRCUITS AND ENERGY TRANSFER; EXTERNAL ASSESSMENT PREPARATION; UNIT 6 – LEARNING AIM C; TARGETED UNIT 1 AND 2 RESIT PREPARATION WHERE REQUIRED

PRACTICAL SKILLS

EVALUATING EVIDENCE

ELECTRICAL CIRCUITS