A-LEVEL CHEMISTRY
AQA

Specification Summary

- Physical chemistry
- Atomic structure
- Amount of substance
- Bonding
- Energetics
- Kinetics
- Chemical equilibria, Le Chatelier’s principle and Kc
- Oxidation, reduction and redox
- Thermodynamics (A-level only)
- Rate equations (A-level only)
- Equilibrium constant Kp for homogeneous systems (A-level only)
- Electrode potentials and electrochemical cells (A-level only)
- Acids and bases (A-level only)
- Inorganic chemistry
- Periodicity
- Group 2, the alkaline earth metals
- Group 7(17), the halogens
- Properties of Period 3 elements and their oxides (A-level only)
- Transition metals (A-level only)
- Reactions of ions in aqueous solution (A-level only)
- Organic chemistry
- Introduction to organic chemistry
- Alkanes
- Halogenoalkanes
- Alkenes
- Alcohols
- Organic analysis

**AS Chemistry 7404 and A-level Chemistry 7405 AS exams May/June 2016 onwards. A-level exams May/June 2017 onwards.**

---

**A-LEVEL PHYSICS**

**AQA**

**Specification Summary**

- Measurements and their errors
- Particles and radiation
- Waves
- Mechanics and materials
- Electricity
- Further mechanics and thermal physics (A-level only)
- Fields and their consequences (A-level only)
- Nuclear physics (A-level only)
- Astrophysics (A-level only)
• Medical physics (A-level only)
• Engineering physics (A-level only)
• Turning points in physics (A-level only)
• Electronics (A-level only)