Autumn 1	Year 10 Chemistry	Year 10 Combined Higher	Year 10 Combined Foundation	Year 11 Chemistry	Year 11 Combined Higher	Year 11 Combined Foundation
Week 1 (w/b Wed 7th Sep)	Lesson 1: 4.1.1.1 – Atoms, elements and compounds Lesson 2: 4.1.1.1 – Atoms, elements and compounds Lesson 3: 4.1.1.2 - Mixtures	Lesson 1: 5.1.1.1– Atoms, elements and compounds Lesson 2: 5.1.1.1– Atoms, elements and compounds	Lesson 1: 5.1.1.1– Atoms, elements and compounds Lesson 2: 5.1.1.1– Atoms, elements and compounds	Lesson 1: 4.7.1.1 Crude oil, hydrocarbons and alkanes Lesson 2: 4.7.1.2 Fractional distillation and petrochemicals	Lesson 1: 5.7.1.1 Crude oil, hydrocarbons and alkanes Lesson 2: 5.7.1.2 Fractional distillation and petrochemicals	Lesson 1: 5.7.1.1 Crude oil, hydrocarbons and alkanes Lesson 2: 5.7.1.2 Fractional distillation and petrochemicals
Key Words **Level 2** **Level 3**	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility, alcohol, carboxylic acid, ester/esterification	Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility	Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility
Common Misconceptions	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusing inter- and intramolecular bonds	Confusing inter- and intramolecular bonds	Confusing inter- and intramolecular bonds
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 7 Test	Unit 8 Test	Unit 8 Test
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 2 (w/b 12th Sep)	Lesson 1: 4.1.1.2- Mixtures Lesson 2: 4.1.1.3 – The development of the model of the atom	Lesson 1: 5.1.1.2- Mixtures Lesson 2: 5.1.1.2- Mixtures	Lesson 1: 5.1.1.2 - Mixtures Lesson 2: 5.1.1.3 – The development of the model of the atom	Lesson 1: 4.7.1.3 Properties of hydrocarbons Lesson 2: 4.7.1.4 Cracking and alkenes	Lesson 1: 5.7.1.2 Fractional distillation and petrochemicals Lesson 2: 5.7.1.3 Properties of hydrocarbons	Lesson 1: 5.7.1.2 Fractional distillation and petrochemicals Lesson 2: 5.7.1.3 Properties of hydrocarbons
Key Words **Level 2** **Level 3**	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility, alcohol, carboxylic acid, ester/esterification	Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility	Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility
Common Misconceptions	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusing inter- and intramolecular bonds	Confusing inter- and intramolecular bonds	Confusing inter- and intramolecular bonds
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 7 Test	Unit 8 Test	Unit 8 Test

Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 3 (w/b 19th Sep)	Lesson 1: 4.1.1.4/4.1.1.5 – Relative sizes and charges of subatomic particles/size and mass of atoms Lesson 2: 4.1.1.6 – Relative Atomic Mass Lesson 3: 4.1.1.7 – Electronic Structure	Lesson 1: 5.1.1.3 – The development of the model of the atom Lesson 2: 5.1.1.4/5.1.1.5– Relative sizes and charges of subatomic particles/size and mass of atoms	Lesson 1: 5.1.1.4/5.1.1.5– Relative sizes and charges of subatomic particles/size and mass of atoms Lesson 2: 5.1.1.6 – Relative Atomic Mass	Lesson 1: 4.7.2.1 Structure and formulae of alkenes Lesson 2: 4.7.2.2 Reactions of Alkenes - Combustion	Lesson 1: 5.7.1.4 Cracking and alkenes Lesson 2: 5.8.1.1/5.8.1.2 Pure substances/ Formulations	Lesson 1: 5.7.1.4 Cracking and alkenes Lesson 2: 5.8.1.1/5.8.1.2 Pure substances/ Formulations
Key Words **Level 2** **Level 3**	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility, alcohol, carboxylic acid, ester/esterification	Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility	Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility
Common Misconceptions	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusing inter- and intramolecular bonds	Confusing inter- and intramolecular bonds	Confusing inter- and intramolecular bonds
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 7 Test	Unit 8 Test	Unit 8 Test
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills				IT1		
Week 4 (w/b 26th Sep)	Lesson 1: 4.1.2.1/4.1.2.2 – The Periodic Table/Development of the Periodic Table Lesson 2: 4.1.2.3/4.1.2.5 – Metals and non-metals/Group 1 Lesson 3: 4.1.2.4/4.1.2.6 -Group 0/Group 7	Lesson 1: 5.1.1.6 – Relative Atomic Mass Lesson 2: 5.1.1.7– Electronic Structure	Lesson 1: 5.1.1.7– Electronic Structure Lesson 2: 5.1.2.1/5.1.2.2 – The Periodic Table/Development of the Periodic Table	Lesson 1: 4.7.2.2 Reactions of Alkenes - Hydrogen Lesson 2: 4.7.2.2 Reactions of Alkenes - Halogen/Steam	Lesson 1: 5.8.1.3 Chromatography (RP) Lesson 2: 5.8.2.1 Test for hydrogen	Lesson 1: 5.8.1.3 Chromatography (RP) Lesson 2: 5.8.2.1 Test for hydrogen

Key Words **Level 2** **Level 3**	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility, alcohol, carboxylic acid, ester/esterification	Identify, describe, explain Litmus paper, bleach, electrolysis	Identify, describe, explain Litmus paper, bleach, electrolysis
Common Misconceptions	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusing inter- and intramolecular bonds		
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 7 Test	Unit 8 Test	Unit 8 Test
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 5 **(w/b 3rd Oct)**		Lesson 1: 5.1.2.1/5.1.2.2 – The Periodic Table/Development of the Periodic Table Lesson 2: 5.1.2.3/5.1.2.5 – Metals and non-metals/Group 1	Lesson 1: 5.1.2.3/5.1.2.5 – Metals and non-metals/Group 1 Lesson 2: 5.1.2.4/5.1.2.6 – Group 0/Group 7	Lesson 1: 4.7.2.3 Alcohols Lesson 2: 4.7.2.4 Carboxylic acids - Structure, Properties, etc	Lesson 1: 5.8.2.2 Test for oxygen Lesson 2: 5.8.2.3 Test for carbon dioxide	Lesson 1: 5.8.2.2 Test for oxygen Lesson 2: 5.8.2.3 Test for carbon dioxide
Key Words **Level 2** **Level 3**	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility, alcohol, carboxylic acid, ester/esterification	Identify, describe, explain Litmus paper, bleach, electrolysis	Identify, describe, explain Litmus paper, bleach, electrolysis
Common Misconceptions	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusing inter- and intramolecular bonds		
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 7 Test	Unit 8 Test	Unit 8 Test
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article

Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills				Unit 7 Test	Unit 8 Test	Unit 8 Test
Week 6 (w/b 10th Oct)	Lesson 1: 4.1.3.1/4.1.3.2 – Transition Metals/Typical Properties Lesson 2: Test Lesson 3: Feedback	Lesson 1: 5.1.2.4/5.1.2.6 - Transition Metals/Typical Properties Lesson 2: Test	Lesson 1: Test Lesson 2: Feedback	Lesson 1: 4.7.2.4 Carboxylic acids - Esterification Lesson 2: 4.7.3.1 Addition polymerisation	Lesson 1: 5.8.2.4 Test for chlorine Lesson 2: Test	Lesson 1: 5.8.2.4 Test for chlorine Lesson 2: Test
Key Words **Level 2** **Level 3**	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement	Identify, describe, explain Nucleus, proton, neutron, electron, isotope, plum pudding model, nuclear model, Bohr model, mass number, proton/atomic number, group, period, property, reactivity, shell, metal, non-metal, ion, cation, anion, displacement		Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility, alcohol, carboxylic acid, ester/esterification	Identify, describe, explain Litmus paper, bleach, electrolysis	Identify, describe, explain Litmus paper, bleach, electrolysis
Common Misconceptions	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).	Confusion between proton and mass number, getting electronic structure the wrong way round (not doing 2 then 8 electrons).		Confusing inter- and intramolecular bonds		
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 7 Test	Unit 8 Test	Unit 8 Test
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/research-scientist-physical-sciences	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 7 (w/b 17th Oct)	Lesson 1: Exemplar Lesson 2: Re-test Lesson 3: 4.2.1.1/4.2.1.2 – Chemical Bonds/Ionic Bonds	Lesson 1: Feedback Lesson 2:Exemplar	Lesson 1: Exemplar Lesson 2: Re-test	Lesson 1: 4.7.3.2/4.7.3.3/4.7.3.4 - Condensation polymerisation/ Amino acids/ DNA Lesson 2: Test	Lesson 1: Exemplars Lesson 2: Feedback	Lesson 1: Exemplars Lesson 2: Feedback
Key Words **Level 2** **Level 3**	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice			Identify, describe, explain Alkane, alkene, fractional distillation, cracking, Bromine water, viscosity, volatility, alcohol, carboxylic acid, ester/esterification		
Common Misconceptions	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding			Confusing inter- and intramolecular bonds		

Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 1 Test	Unit 1 Test	Unit 1 Test	Unit 7 Test		
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive

Autumn 2	**Year 10 Chemistry**	**Year 10 Combined Higher**	**Year 10 Combined Foundation**	**Year 11 Chemistry**	**Year Combined Higher**	**Year Combined Foundation**
Week 8 (w/b 31st Oct)	Lesson 1: 4.2.1.2 Ionic bonding Lesson 2: 4.2.1.3 Ionic Compounds Lesson 3: 4.2.1.4 Covalent Bonding	Lesson 1: Re-test Lesson 2: 5.2.1.1/5.2.1.2 Chemical bonds/Ionic bonding	Lesson 1: 5.2.1.1/5.2.1.2 Chemical bonds/Ionic bonding Lesson 2: 5.2.1.2 Ionic Bonding	Lesson 1: Mock Exams Lesson 2: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams
Key Words **Level 2** **Level 3**	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice			
Common Misconceptions	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 6 & 7 Mock	Unit 6-8 Mock	Unit 6-8 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer			
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Notes/developments /standardisation comments	Lesson 1: Lesson 2: Chemical changes: determination of empirical formulae from the ratio of atoms of different kinds Lesson 3:	Lesson 1: Lesson 2: Structure, bonding and the properties of matter: changes of state of matter in terms of particle kinetics, energy transfers and the relative strength of chemical bonds and intermolecular forces; types of chemical bonding: ionic, covalent, and metallic	Lesson 1: Lesson 2: Structure, bonding and the properties of matter: changes of state of matter in terms of particle kinetics, energy transfers and the relative strength of chemical bonds and intermolecular forces; types of chemical bonding: ionic, covalent, and metallic			

Week 9 (w/b 7th Nov)	Lesson 1: 4.2.1.4 Covalent Bonding Lesson 2: 4.2.1.5 Metallic Bonding Lesson 3: 4.2.2.1/4.2.2.2 States of Matter/State Symbols	Lesson 1: 5.2.1.2 Ionic Bonding Lesson 2: 5.2.1.3 Ionic Compounds	Lesson 1: 5.2.1.3 Ionic Compounds Lesson 2: 5.2.1.4 Covalent Bonding	Lesson 1: Mock Exams Lesson 2: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams
Key Words **Level 2** **Level 3**	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice			
Common Misconceptions	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 6 & 7 Mock	Unit 6-8 Mock	Unit 6-8 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 10 (w/b 14th Nov)	Lesson 1: 4.2.2.3 Properties of Ionic Compounds Lesson 2: 4.2.2.4 Properties of small molecules Lesson 3: 4.2.2.6 Giant covalent structures	Lesson 1: 5.2.1.4 Covalent Compounds Lesson 2: 5.2.1.4 Covalent Compounds	Lesson 1: 5.2.1.4 Covalent Compounds Lesson 2: 5.2.1.5 Metallic Bonding	Lesson 1: Exemplars Lesson 2: Feedback	Lesson 1: Exemplars Lesson 2: Feedback	Lesson 1: Exemplars Lesson 2: Feedback
Key Words **Level 2** **Level 3**	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice			
Common Misconceptions	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 6 & 7 Mock	Unit 6-8 Mock	Unit 6-8 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer			
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive

Week 11 (w/b 21st Nov)	Lesson 1: 4.2.2.5 Polymers Lesson 2: 4.2.2.7 Properties of metals and alloys Lesson 3: 4.2.2.8 Metals as conductors	Lesson 1: 5.2.1.5 Metallic Bonding Lesson 2: 5.2.2.1 The three states of matter/5.2.2.2 State symbols	Lesson 1: 5.2.2.1 The three states of matter/5.2.2.2 State symbols Lesson 2: 5.2.2.3 Properties of ionic compounds	Lesson 1: 4.8.1.1 Pure substances Lesson 2: 4.8.1.2 Formulations	Lesson 1: 5.9.1.1/5.9.1.2 The proportions of different gases in the atmosphere/ The Earth's early atmosphere Lesson 2: 5.9.1.3/5.9.1.4 How oxygen increased/How carbon dioxide decreased	Lesson 1: 5.9.1.1/5.9.1.2 The proportions of different gases in the atmosphere/ The Earth's early atmosphere Lesson 2: 5.9.1.3/5.9.1.4 How oxygen increased/How carbon dioxide decreased
Key Words **Level 2** **Level 3**	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Litmus paper, bleach, electrolysis, flame spectra, spectrometer,	Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas	Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas
Common Misconceptions	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding		Climate scepticism	Climate scepticism
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 6 & 7 Mock	Unit 6-8 Mock	Unit 6-8 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
			Data Collection Week			
Week 12 (w/b 28th Nov)	Lesson 1: 4.2.3.1 Diamond Lesson 2: 4.2.3.2 Graphite Lesson 3: 4.2.3.3 Graphene and fullerenes	Lesson 1: 5.2.2.3 Properties of ionic compounds Lesson 2: 5.2.2.4 Properties of small molecules	Lesson 1: 5.2.2.4 Properties of small molecules Lesson 2: 5.2.2.6 Giant covalent structures	Lesson 1: 4.8.1.3 Chromatography (RP) Lesson 2: 4.8.2 Identification of common gases	Lesson 1: 5.9.2.1 Greenhouse Gases Lesson 2: 5.9.2.2 Human activities which contribute to an increase in greenhouse gases in the atmosphere	Lesson 1: 5.9.2.1 Greenhouse Gases Lesson 2: 5.9.2.2 Human activities which contribute to an increase in greenhouse gases in the atmosphere
Key Words **Level 2** **Level 3**	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Litmus paper, bleach, electrolysis, flame spectra, spectrometer,	Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas	Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas
Common Misconceptions	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding		Climate scepticism	Climate scepticism
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 6 & 7 Mock	Unit 6-8 Mock	Unit 6-8 Mock
Employability Skills	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy

	Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 13 (w/b 5th Dec)	Lesson 1: 4.2.4.1 Sizes of particles and their properties Lesson 2: 4.2.4.2 Uses of nanoparticles Lesson 3:	Lesson 1: 5.2.2.6 Giant covalent structures Lesson 2: 5.2.2.5 Polymers	Lesson 1: 5.2.2.5 Polymers Lesson 2: 5.2.2.7 Properties of metals and alloys	Lesson 1: 4.8.3.1 Flame Tests (RP) Lesson 2: 4.8.3.7 Flame Emission Spectroscopy	Lesson 1: 5.9.2.3/5.9.2.4 Global climate change/ The carbon footprint and its reduction Lesson 2: 5.9.3.1 Atmospheric pollutants from fuels	Lesson 1: 5.9.2.3/5.9.2.4 Global climate change/ The carbon footprint and its reduction Lesson 2: 5.9.3.1 Atmospheric pollutants from fuels
Key Words **Level 2** **Level 3**	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Litmus paper, bleach, electrolysis, flame spectra, spectrometer,	Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas	Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas
Common Misconceptions	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding		Climate scepticism	Climate scepticism
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 6 & 7 Mock	Unit 6-8 Mock	Unit 6-8 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 14 (w/b 12th Dec)	Lesson 1: Test Lesson 2: Exemplars Lesson 3: Feedback	Lesson 1: 5.2.2.7 Properties of metals and alloys Lesson 2: 5.2.3 Structure and bonding of carbon	Lesson 1: 5.2.3 Structure and bonding of carbon Lesson 2: 5.2.3 Structure and bonding of carbon	Lesson 1: 4.8.3.2/4.8.3.3 Metal Hydroxides/Carbonates (RP) Lesson 2: 4.8.3.4 Halides (RP)	Lesson 1: 5.9.3.1 Atmospheric pollutants from fuels Lesson 2: 5.9.3.2 Properties and effects of atmospheric pollutants	Lesson 1: 5.9.3.1 Atmospheric pollutants from fuels Lesson 2: 5.9.3.2 Properties and effects of atmospheric pollutants
Key Words **Level 2** **Level 3**	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Litmus paper, bleach, electrolysis, flame spectra, spectrometer,	Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas	Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas
Common Misconceptions	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding		Climate scepticism	Climate scepticism

Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 6 & 7 Mock	Unit 6-8 Mock	Unit 6-8 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 15 (w/b 19th – 20th Dec)	Lesson 1: 4.3.2.1 Moles Lesson 2: 4.3.2.2 Amounts of substances in equations Lesson 3: 4.3.2.3 Using moles to balance equations	Lesson 1: Test Lesson 2: Exemplars	Lesson 1: Test Lesson 2: Exemplars	Lesson 1: 4.8.3.5 Sulfates (RP) Lesson 2: 4.8.3.6 Instrumental Methods (RP)	Lesson 1: Test Lesson 2: Feedback	Lesson 1: Test Lesson 2: Feedback
Key Words **Level 2** **Level 3**	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Ionic, covalent, metallic, delocalised, ion, lattice	Identify, describe, explain Mole, relative formula/atomic mass, concentration	Identify, describe, explain Litmus paper, bleach, electrolysis, flame spectra, spectrometer,		
Common Misconceptions	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Confusing ionic and covalent bonding diagrams, combining the anion and cations when doing ionic bonding	Just not comprehending what a mole is…			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 2 Test	Unit 2 Test	Unit 2 Test	Unit 6 & 7 Mock	Unit 6-8 Mock	Unit 6-8 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive

Spring 1	Year 10 Chemistry	Year 10 Combined Higher	Year 10 Combined Foundation	Year 11 Chemistry	Year Combined Higher	Year Combined Foundation
Week 16 (w/b Wed 4th Jan)	Lesson 1: 4.3.2.4 Limiting reactants Lesson 2: 4.3.2.5 Concentration of solutions Lesson 3: 4.3.3.1 Percentage yield	Lesson 1: Feedback Lesson 2: Re-test	Lesson 1: Feedback Lesson 2: Re-test	Lesson 1: Revise for Units 6-8 Mock Lesson 2: Revise for Units 6-8 Mock Lesson 3: Revise for Units 6-8 Mock	Lesson 1: Revise for Units 6-9 Mock Lesson 2: Revise for Units 6-9 Mock	Lesson 1: Revise for Units 6-9 Mock Lesson 2: Revise for Units 6-9 Mock
Key Words **Level 2** **Level 3**	Identify, describe, explain Mole, relative formula/atomic mass, concentration	Identify, describe, explain Mole, relative formula/atomic mass, concentration	Identify, describe, explain Mole, relative formula/atomic mass, concentration			
Common Misconceptions	Just not comprehending what a mole is, or what balancing is for/how to do it…	Just not comprehending what a mole is, or what balancing is for/how to do it…	Just not comprehending what a mole is, or what balancing is for/how to do it…			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 3 Test	Unit 3 Test	Unit 3 Test	Unit 6-8 Mock	Unit 6-9 Mock	Unit 6-9 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills		IT2	IT2			
Week 17 (w/b 9th Jan)	Lesson 1: 4.3.3.2 Atom economy Lesson 2: 4.3.4 Using concentrations of solutions in mol/dm^3 Lesson 3: 4.3.5 Use of amount of substance in relation to volumes of gases	Lesson 1: 5.3.1.1 Conservation of mass and balanced chemical equations Lesson 2: 5.3.1.1 Conservation of mass and balanced chemical equations	Lesson 1: 5.3.1.1 Conservation of mass and balanced chemical equations Lesson 2: 5.3.1.1 Conservation of mass and balanced chemical equations	Lesson 1: Mock Exams Lesson 2: Mock Exams Lesson 3: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams
Key Words **Level 2** **Level 3**	Identify, describe, explain Mole, relative formula/atomic mass, concentration, atom economy, percentage mass	Identify, describe, explain Mole, relative formula/atomic mass, concentration	Identify, describe, explain Mole, relative formula/atomic mass, concentration			
Common Misconceptions	Just not comprehending what a mole is, or what balancing is for/how to do it…	Just not comprehending what a mole is, or what balancing is for/how to do it…	Just not comprehending what a mole is, or what balancing is for/how to do it…			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 3 Test	Unit 3 Test	Unit 3 Test	Unit 6-8 Mock	Unit 6-9 Mock	Unit 6-9 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article			

Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills	IT2	IT2	IT2			
Week 18 (w/b 16th Jan)	Lesson 1: Test Lesson 2: Exemplars Lesson 3: Feedback	Lesson 1: 5.3.1.2 Relative formula mass Lesson 2: 5.3.1.3 Mass changes when a reactant or product is a gas	Lesson 1: 5.3.1.2 Relative formula mass Lesson 2: 5.3.1.3 Mass changes when a reactant or product is a gas	Lesson 1: Mock Exams Lesson 2: Mock Exams Lesson 3: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams
Key Words **Level 2** **Level 3**	Identify, describe, explain Mole, relative formula/atomic mass, concentration, atom economy, percentage mass	Identify, describe, explain Mole, relative formula/atomic mass, concentration	Identify, describe, explain Mole, relative formula/atomic mass, concentration			
Common Misconceptions	Just not comprehending what a mole is, or what balancing is for/how to do it…	Just not comprehending what a mole is, or what balancing is for/how to do it…	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 3 Test	Unit 3 Test	Unit 3 Test	Unit 6-8 Mock	Unit 6-9 Mock	Unit 6-9 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article			
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills	IT2	IT2	IT2			
Week 19 (w/b 23rd Jan)	Lesson 1: Re-test Lesson 2: 4.4.1.1 Metal oxides Lesson 3: 4.4.1.2 The reactivity series	Lesson 1: 5.3.2.1 Moles Lesson 2: 5.3.2.2 Amounts of substances in equation	Lesson 1: 5.3.2.5 Concentration of solutions Lesson 2: 5.3.1.4 Chemical measurements	Lesson 1: Exemplar Lesson 2: Feedback Lesson 3: 4.9.1.1 The proportions of different gases in the atmosphere	Lesson 1: Exemplar Lesson 2: Feedback	Lesson 1: Exemplar Lesson 2: Feedback
Key Words **Level 2** **Level 3**	Identify, describe, explain Mole, relative formula/atomic mass, concentration, atom economy, percentage mass	Identify, describe, explain Mole, relative formula/atomic mass, concentration	Identify, describe, explain Mole, relative formula/atomic mass, concentration	Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas		
Common Misconceptions	Just not comprehending what a mole is, or what balancing is for/how to do it…	Just not comprehending what a mole is, or what balancing is for/how to do it…	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Climate scepticism	Climate scepticism	Climate scepticism

Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 3 Test	Unit 3 Test	Unit 3 Test	Unit 6-8 Mock	Unit 6-9 Mock	Unit 6-9 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article		
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills	IT2	IT2	IT2			
Week 20 (w/b 30th Jan)	Lesson 1: 4.4.1.3 Extraction of metals and reduction Lesson 2: 4.4.1.4 Oxidation and reduction in terms of electrons Lesson 3: 4.4.2.1 Reactions of acids with metals	Lesson 1: 5.3.2.3 Using moles to balance equations Lesson 2: 5.3.2.4 Limiting reactants	Lesson 1: Test Lesson 2: Exemplars	Lesson 1: 4.9.1.2 The Earth's early atmosphere Lesson 2: 4.9.1.3 How oxygen increased/4.9.1.4 How carbon dioxide decreased Lesson 3: 4.9.2.1 Greenhouse gases	Lesson 1: 5.10.1.1 Using the Earth's resources and sustainable development Lesson 2: 5.10.1.2 Potable water	Lesson 1: 5.10.1.1 Using the Earth's resources and sustainable development Lesson 2: 5.10.1.2 Potable water
Key Words **Level 2** **Level 3**	Identify, describe, explain Mole, relative formula/atomic mass, concentration, atom economy, percentage mass	Identify, describe, explain Mole, relative formula/atomic mass, concentration	Identify, describe, explain Mole, relative formula/atomic mass, concentration	Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas	Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching	Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching
Common Misconceptions	Just not comprehending what a mole is, or what balancing is for/how to do it…	Just not comprehending what a mole is, or what balancing is for/how to do it…	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Climate scepticism	Climate scepticism	Climate scepticism
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 3 Test	Unit 3 Test	Unit 3 Test	Unit 6-8 Mock	Unit 6-9 Mock	Unit 6-9 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/chief-technology-officer-and-co-founder-of-lixea-a-sustainable-solutions-company/4014063.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/chief-technology-officer-and-co-founder-of-lixea-a-sustainable-solutions-company/4014063.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills	IT2	IT2	IT2		IT1	IT1

Week 21 (w/b 6th Feb)	Lesson 1: 4.4.2.2 Neutralisation of acids and salt production Lesson 2: 4.4.2.3 Soluble salts Lesson 3: 4.4.2.3 Soluble salts (RP)	Lesson 1: 5.3.2.5 Concentration of solutions Lesson 2: Test	Lesson 1: Feedback Lesson 2: Re-test	Lesson 1: 4.9.2.2 Human activities which contribute to an increase in greenhouse gases in the atmosphere Lesson 2: 4.9.2.3 Global climate change Lesson 3: 4.9.2.4 The carbon footprint and its reduction	Lesson 1: 5.10.1.2 Potable water (RP) Lesson 2: 5.10.1.3 Waste water treatment	Lesson 1: 5.10.1.2 Potable water (RP) Lesson 2: 5.10.1.3 Waste water treatment
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Mole, relative formula/atomic mass, concentration	Identify, describe, explain Mole, relative formula/atomic mass, concentration	Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas	Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching	Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Just not comprehending what a mole is, or what balancing is for/how to do it…	Just not comprehending what a mole is, or what balancing is for/how to do it…	Climate scepticism	Climate scepticism	Climate scepticism
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 3 Test	Unit 3 Test	Unit 3 Test	Unit 6-8 Mock	Unit 6-9 Mock	Unit 6-9 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/chief-technology-officer-and-co-founder-of-lixea-a-sustainable-solutions-company/4014063.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/chief-technology-officer-and-co-founder-of-lixea-a-sustainable-solutions-company/4014063.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills	IT2	IT2	IT2			
Week 22 (w/b 13th Feb)	Lesson 1: 4.4.2.4 The pH scale and neutralisation Lesson 2: 4.4.2.5 Titrations Lesson 3: 4.4.2.5 Titrations (RP)	Lesson 1: Feedback Lesson 2: Exemplars	Lesson 1: 5.4.1.1 Metal oxides Lesson 2: 5.4.1.2 The reactivity series	Lesson 1: 4.9.3.1 Atmospheric pollutants from fuels Lesson 2: 4.9.3.2 Properties and effects of atmospheric pollutants Lesson 3: Test	Lesson 1: 5.10.1.4 Alternative methods of extracting metals Lesson 2: 5.10.2.1 Life cycle assessment	Lesson 1: 5.10.2.1 Life cycle assessment Lesson 2: 5.10.2.2 Ways of reducing the use of resources
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion			Identify, describe, explain Pollution/pollutants, climate change, carbon footprint, evolution, particulate, global dimming, photosynthesis, greenhouse gas	Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching	Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).			Climate scepticism	Climate scepticism	Climate scepticism
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.

Assessment this half-term	Unit 3 Test	Unit 3 Test	Unit 3 Test	Unit 6-8 Mock	Unit 6-9 Mock	Unit 6-9 Mock
Career opportunities Employment Links				LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-technician-plastics/4010921.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/chief-technology-officer-and-co-founder-of-lixea-a-sustainable-solutions-company/4014063.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/chief-technology-officer-and-co-founder-of-lixea-a-sustainable-solutions-company/4014063.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills	IT2				IT1	IT1

Spring 2	**Year 10 Chemistry**	**Year 10 Combined Higher**	**Year 10 Combined Foundation**	**Year 11 Chemistry**	**Year Combined Higher**	**Year Combined Foundation**
Week 23 (w/b 27th Feb)	Lesson 1: 4.4.2.6 Strong and weak acids Lesson 2: 4.4.3.1 The process of electrolysis Lesson 3: 4.4.3.2 Electrolysis of molten ionic compounds	Lesson 1: Re-test Lesson 2: 5.4.1.1 Metal oxides	Lesson 1: 5.4.1.3 Extraction of metals and reduction Lesson 2: 5.4.2.1 Reactions of acids with metals	Lesson 1: Revise units 6-9 Lesson 2: Revise units 6-9 Lesson 3: Revise units 6-9	Lesson 1: 5.10.2.2 Ways of reducing the use of resources Lesson 2: Revise units 6-10 inc.	Lesson 1: Revise units 6-10 inc. Lesson 2: Revise units 6-10 inc.
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion		Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching	
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).		Climate scepticism	
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 4 Test	Unit 3 Test	Unit 4 Test	Unit 6-9 Mock	Full Paper 2 Mock	Full Paper 2 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/atmospheric-chemist/4010839.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/atmospheric-chemist/4010839.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/atmospheric-chemist/4010839.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills		IT2			IT1	

Notes/developments /standardisation comments	Lesson 1: Lesson 2: Lesson 3:	Lesson 1: Lesson 2:	Lesson 1: Lesson 2:	Lesson 1: Lesson 2: Lesson 3:	Lesson 1: Chemical and allied industries: the viability of recycling of certain materials Lesson 2:	Lesson 1: Lesson 2:
Week 24 (w/b 6th Mar)	Lesson 1: 4.4.3.3 Using electrolysis to extract metals Lesson 2: 4.4.3.4 Electrolysis of aqueous solutions Lesson 3: 4.4.3.4 Electrolysis of aqueous solutions (RP)	Lesson 1: 5.4.1.2 The reactivity series Lesson 2: 5.4.1.3 Extraction of metals and reduction	Lesson 1: 5.4.2.2 Neutralisation of acids and salt production Lesson 2: 5.4.2.3 Soluble salts	Lesson 1: Mock Exams Lesson 2: Mock Exams Lesson 3: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion			
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 4 Test	Unit 3 Test	Unit 4 Test	Unit 6-9 Mock	Full Paper 2 Mock	Full Paper 2 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article			
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
			Data Collection Week			
Week 25 (w/b 13th Mar)	Lesson 1: 4.4.3.5 Representation of reactions at electrodes as half equations Lesson 2: Test Lesson 3: Exemplars	Lesson 1: 5.4.1.4 Oxidation and reduction in terms of electrons Lesson 2: 5.4.2.1 Reactions of acids with metals	Lesson 1: 5.4.2.3 Soluble salts (RP) Lesson 2: 5.4.2.4 The pH scale and neutralisation	Lesson 1: Mock Exams Lesson 2: Mock Exams Lesson 3: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion			
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Not getting that exothermic means loss of energy, and showing the product level on a reaction profile as lower than the reactant level.			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.

Assessment this half-term	Unit 4 Test		Unit 4 Test	Unit 6-9 Mock	Full Paper 2 Mock	Full Paper 2 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article			
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 26 (w/b 20th Mar)	Lesson 1: Feedback Lesson 2: Re-test Lesson 3: 4.5.1.1 Energy transfer during exothermic and endothermic reactions	Lesson 1: 5.4.2.2 Neutralisation of acids and salt production Lesson 2: 5.4.2.2 Neutralisation of acids and salt production	Lesson 1: 5.4.3.1 The process of electrolysis Lesson 2: 5.4.3.2 Electrolysis of molten ionic compounds	Lesson 1: Feedback Lesson 2: Exemplars Lesson 3: 4.10.1.1 Using the Earth's resources and sustainable development	Lesson 1: Feedback Lesson 2: Exemplars	Lesson 1: Feedback Lesson 2: Exemplars
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching		
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis), constructing half-cell equations.	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Not getting that exothermic means loss of energy, and showing the product level on a reaction profile as lower than the reactant level.	Climate scepticism		
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 4 Test		Unit 4 Test	Unit 6-9 Mock	Full Paper 2 Mock	Full Paper 2 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills				IT1		
Week 27 (w/b 27th Mar)	Lesson 1: 4.5.1.1 Energy transfer during exothermic and endothermic reactions (RP) Lesson 2: 4.5.1.2 Reaction profiles	Lesson 1: 5.4.2.3 Soluble salts Lesson 2: 5.4.2.3 Soluble salts (RP)	Lesson 1: 5.4.3.3 Using electrolysis to extract metals Lesson 2: 5.4.3.4 Electrolysis of aqueous solutions	Lesson 1: 4.10.1.2 Potable water (RP) Lesson 2: 4.10.1.3 Waste water treatment	Lesson 1: Revise Units 6-10 Lesson 2: Revise Units 6-10	Lesson 1: Revise Units 6-10 Lesson 2: Revise Units 6-10

	Lesson 3: 4.5.1.3 The energy change of reactions			Lesson 3: 4.10.1.4 Alternative methods of extracting metals		
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching		
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis), constructing half-cell equations.	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Climate scepticism		
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term				Unit 6-9 Mock	Full Paper 2 Mock	Full Paper 2 Mock
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/atmospheric-chemist/4010839.article	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills	Unit 4 Test		Unit 4 Test	IT1		

Summer 1	**Year 10 Chemistry**	**Year 10 Combined Higher**	**Year 10 Combined Foundation**	**Year 11 Chemistry**	**Year Combined Higher**	**Year Combined Foundation**
Week 28 (w/b 17th Apr)	Lesson 1: 4.5.1.3 The energy change of reactions (Practice calculations) Lesson 2: 4.5.2.1 Cells and batteries Lesson 3: 4.5.2.2 Fuel cells	Lesson 1: 5.4.2.4 The pH scale and neutralisation Lesson 2: 5.4.2.5 Strong and weak acids	Lesson 1: 5.4.3.4 Electrolysis of aqueous solutions (RP) Lesson 2: Test	Lesson 1: 4.10.2.1 Life cycle assessment Lesson 2: 4.10.2.2 Ways of reducing the use of resources Lesson 3: 4.10.3.1 Corrosion and its prevention	Lesson 1: Revise units 6-10 inc. Lesson 2: Revise units 6-10 inc.	Lesson 1: Revise units 6-10 inc. Lesson 2: Revise units 6-10 inc.
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching		
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis), constructing half-cell equations.	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).	Climate scepticism		

Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 5 Test		Unit 5 Test	Unit 10 Test	Past Paper	Past Paper
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/atmospheric-chemist/4010839.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/atmospheric-chemist/4010839.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/atmospheric-chemist/4010839.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills				IT1		
Week 29 (w/b 24th Apr)	Lesson 1: Test Lesson 2: Feedback Lesson 3: Exemplars	Lesson 1: 5.4.3.1 The process of electrolysis/5.4.3.2 Electrolysis of molten ionic compounds Lesson 2: 5.4.3.3 Using electrolysis to extract metals	Lesson 1: Exemplars Lesson 2: Feedback	Lesson 1: 4.10.3.2 Alloys as useful materials Lesson 2: 4.10.3.3 Ceramics, polymers and composites Lesson 3: 4.10.4.1 The Haber process	Lesson 1: Revise units 6-10 Lesson 2: Revise units 6-10	Lesson 1: Revise units 6-10 Lesson 2: Revise units 6-10
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion		Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching		
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis), constructing half-cell equations.	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis).		Climate scepticism		
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 5 Test		Unit 5 Test	Unit 10 Test	Past Paper	Past Paper
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/school-science-technician/4012207.article	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/atmospheric-chemist/4010839.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/atmospheric-chemist/4010839.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/atmospheric-chemist/4010839.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills		Unit 4 Test	IT1	IT1		
Week 30 (w/b Tue 2nd May)	Lesson 1: Re-test Lesson 2: Revise Unit 1	Lesson 1: 5.4.3.4 Electrolysis of aqueous solutions	Lesson 1: Re-test	Lesson 1: 4.10.4.2 Production and uses of NPK fertilisers	Lesson 1: Revise units 1-5 Lesson 2: Revise units 1-5	Lesson 1: Revise units 1-5 Lesson 2: Revise units 1-5

	Lesson 3: Revise Unit 1	Lesson 2: 5.4.3.4 Electrolysis of aqueous solutions (RP)	Lesson 2: 5.5.1.1 Energy transfer during exothermic and endothermic reactions	Lesson 2: Test Lesson 3: Exemplars		
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Endothermic, exothermic, energy/enthalpy change, reaction profile, bond energy	Identify, describe, explain Life-cycle assessment, potable, pure, impure desalination, osmosis, sedimentation, sterilisation, phytomining, bioleaching		
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis), constructing half-cell equations.	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis), constructing half-cell equations.	Not getting that exothermic means loss of energy, and showing the product level on a reaction profile as lower than the reactant level.	Climate scepticism		
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 5 Test	Unit 4 Test	Unit 5 Test	Unit 10 Test	Past Paper	Past Paper
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills			IT1	IT1		
Notes/developments /standardisation comments	Lesson 1: Lesson 2: Lesson 3:	Lesson 1: Lesson 2:	Lesson 1: Lesson 2:	Lesson 1: Lesson 2: Lesson 3:	Lesson 1: Lesson 2:	Lesson 1: Lesson 2:
Week 31 (w/b 8th May)	Lesson 1: Revise Unit 2 Lesson 2: Revise Unit 2 Lesson 3: Revise Unit 2	Lesson 1: 5.4.3.5 Representation of reactions at electrodes as half equations Lesson 2: Test	Lesson 1: 5.5.1.1 Energy transfer during exothermic and endothermic reactions (RP) Lesson 2: 5.5.1.2 Reaction profiles	Lesson 1: Feedback Lesson 2: Revise units 1-5 Lesson 3: Revise units 1-5	Lesson 1: Test Lesson 2: Exemplars	Lesson 1: Test Lesson 2: Exemplars
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion	Identify, describe, explain Endothermic, exothermic, energy/enthalpy change, reaction profile, bond energy			
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis), constructing half-cell equations.	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis), constructing half-cell equations.	Not getting that exothermic means loss of energy, and showing the product level on a reaction profile as lower than the reactant level.			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.

Assessment this half-term	Unit 5 Test	Unit 4 Test	Unit 5 Test	Unit 10 Test	Past Paper	Past Paper
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills			IT1			
Week 32 (w/b 15th May)	Lesson 1: Revise Unit 3 Lesson 2: Revise Unit 3 Lesson 3: Revise Unit 3	Lesson 1: Exemplar Lesson 2: Feedback	Lesson 1: Test Lesson 2: Exemplars	Lesson 1: Revise units 1-5 Lesson 2: Revise units 1-5 Lesson 3: Revise units 1-5	Lesson 1: Feedback Lesson 2: Revise units 1-5	Lesson 1: Feedback Lesson 2: Revise units 1-5
Key Words **Level 2** **Level 3**	Identify, describe, explain Neutralisation, oxidation, reduction, thermal decomposition, indicator, electrolysis, electrode, cathode, anode, electrolyte, cation, anion		Identify, describe, explain Endothermic, exothermic, energy/enthalpy change, reaction profile, bond energy			
Common Misconceptions	Confusing oxidation with reduction, using atom/electron when they should use ion (in electrolysis), constructing half-cell equations.		Not getting that exothermic means loss of energy, and showing the product level on a reaction profile as lower than the reactant level.			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 5 Test	Unit 4 Test	Unit 5 Test	Unit 10 Test	Past Paper	Past Paper
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills			IT1			
Week 33 (w/b 22nd May)	Lesson 1: Revise Unit 4 Lesson 2: Revise Unit 4 Lesson 3: Revise Unit 4	Lesson 1: Re-test Lesson 2: 5.5.1.1 Energy transfer during exothermic and endothermic reactions	Lesson 1: Feedback Lesson 2: Re-test	Lesson 1: Revise units 6-10 Lesson 2: Revise units 6-10 Lesson 3: Revise units 6-10	Lesson 1: Revise units 1-5 Lesson 2: Revise units 1-5	Lesson 1: Revise units 1-5 Lesson 2: Revise units 1-5 inc.
Key Words **Level 2** **Level 3**		Identify, describe, explain Endothermic, exothermic, energy/enthalpy change, reaction profile, bond energy				

Common Misconceptions		Not getting that exothermic means loss of energy, and showing the product level on a reaction profile as lower than the reactant level.				
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Unit 5 Test	Unit 4 Test	Unit 5 Test	Unit 10 Test	Past Paper	Past Paper
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article	LIFE SKILLS: EMPLOYMENT: https://edu.rsc.org/job-profiles/analytical-chemist/4010854.article
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills			IT1			

Summer 2	**Year 10 Chemistry**	**Year 10 Combined Higher**	**Year 10 Combined Foundation**	**Year 11 Chemistry**	**Year 11 Combined Higher**	**Year 11 Combined Foundation**
Week 34 (w/b 5th Jun)	Lesson 1: Revise Unit 5 Lesson 2: Revise Unit 5 Lesson 3: Revise Unit 5	Lesson 1: 5.5.1.1 Energy transfer during exothermic and endothermic reactions (RP) Lesson 2: 5.5.1.2 Reaction profiles	Lesson 1: Revise Unit 1 Lesson 2: Revise Unit 1			
Key Words **Level 2** **Level 3**		Identify, describe, explain Endothermic, exothermic, energy/enthalpy change, reaction profile, bond energy				
Common Misconceptions		Not getting that exothermic means loss of energy, and showing the product level on a reaction profile as lower than the reactant level.				
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.			
Assessment this half-term	Paper 1 – Full	Paper 1 - Full	Paper 1 - Full			
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer			
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive			

Week 35 (w/b 12th Jun)	Lesson 1: Revise Unit 1 Lesson 2: Revise Unit 1 Lesson 3: Revise Unit 1	Lesson 1: 5.5.1.3 The energy change of reactions Lesson 2: 5.5.1.3 The energy change of reactions (Practice calculations)	Lesson 1: Revise Unit 2 Lesson 2: Revise Unit 2
Key Words **Level 2** **Level 3**		Identify, describe, explain Endothermic, exothermic, energy/enthalpy change, reaction profile, bond energy	
Common Misconceptions		Not getting that exothermic means loss of energy, and showing the product level on a reaction profile as lower than the reactant level.	
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Paper 1 - Full	Paper 1 - Full	Paper 1 - Full
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://nationalcareers.service.gov.uk/job-profiles/chemist	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
IT Skills			
Notes/developments /standardisation comments	Lesson 1: Lesson 2: Lesson 3:	Lesson 1: Energy changes in chemistry: Bond breaking, bond making, activation energy and reaction profiles (qualitative). Lesson 2:	Lesson 1: Lesson 2:
Week 36 (w/b 19th Jun)	Lesson 1: Mock Exams Lesson 2: Mock Exams Lesson 3: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams
Key Words **Level 2** **Level 3**			
Common Misconceptions			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Paper 1 – Full	Paper 1 – Full	Paper 1 - Full
Career opportunities Employment Links			
Employability Skills	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy	Aiming high Literacy Creativity Numeracy

	Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 37 (w/b 26th Jun)	Lesson 1: Mock Exams Lesson 2: Mock Exams Lesson 3: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams	Lesson 1: Mock Exams Lesson 2: Mock Exams
Key Words Level 2 Level 3			
Common Misconceptions			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Paper 1 – Full	Paper 1 – Full	Paper 1 - Full
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:	LIFE SKILLS: EMPLOYMENT:
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 38 (w/b 3rd Jul)	Lesson 1: **Y10 Work Experience Week** Lesson 2: **Y10 Work Experience Week** Lesson 3: **Y10 Work Experience Week**	Lesson 1: **Y10 Work Experience Week** Lesson 2: **Y10 Work Experience Week**	Lesson 1: **Y10 Work Experience Week** Lesson 2: **Y10 Work Experience Week**
Key Words Level 2 Level 3			
Common Misconceptions			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Paper 1 – Full	Paper 1 – Full	Paper 1 - Full
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence	Aiming high Literacy Creativity Numeracy Leadership Independence	Aiming high Literacy Creativity Numeracy Leadership Independence

	Listening Communication Presenting Teamwork Problem solving Staying positive	Listening Communication Presenting Teamwork Problem solving Staying positive	Listening Communication Presenting Teamwork Problem solving Staying positive
Notes/developments /standardisation comments	Lesson 1: Lesson 2: Lesson 3:	Lesson 1: Lesson 2:	Lesson 1: Lesson 2:
			Data Collection Week/Y10 Work Experience Week
Week 39 (w/b 10th Jul)	Lesson 1: Exemplars Lesson 2: Feedback Lesson 3: RP5	Lesson 1: Exemplars Lesson 2: Feedback	Lesson 1: Exemplars Lesson 2: Feedback
Key Words **Level 2** **Level 3**			
Common Misconceptions			
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Paper 1 – Full	Paper 1 – Full	Paper 1 - Full
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive
Week 40 (w/b 17th-19th Jul)	Lesson 1: RP5 Lesson 2: Lesson 3:	Lesson 1: RP11 Lesson 2: RP11	Lesson 1: RP11 Lesson 2: RP11
Homework	Kerboodle task suitable to ability of group	Kerboodle task suitable to ability of group.	Kerboodle task suitable to ability of group.
Assessment this half-term	Paper 1 – Full	Paper 1 – Full	Paper 1 - Full
Career opportunities Employment Links	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer	LIFE SKILLS: EMPLOYMENT: https://www.prospects.ac.uk/job-profiles/chemical-engineer
Employability Skills	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive	Aiming high Literacy Creativity Numeracy Leadership Independence Listening Communication Presenting Teamwork Problem solving Staying positive