YEAR 7 CURRICULUM INFORMATION – KS3 Science		
	Summer 1	Summer 2
What will students be learning?	**Biology:** Interdependence: • Food chains and webs • Ecosystems • Competition Plant reproduction: • Flowers and pollination • Fertilisation and germination • Seed dispersal **Chemistry:** Acids and alkalis: • Chemical reactions • Indicators and pH • Acid strength • Neutralisation • Making salts **Physics:** Light: • Light and reflection • Refraction • The eye and vision • Colour	**Biology:** Continue with the topics on Interdependence and plant reproduction **Chemistry:** Continue with the topic of acids and alkalis **Physics:** Continue with the topic of light All lessons will then be focussed on consolidation work and revision for end of year tests
How will students be assessed?	Milestone assessments In lesson interim knowledge checks	Milestone assessments In lesson interim knowledge checks **BASE Assessment**
Literacy – What keywords will be taught?	**Biology:** food chain, producer, consumer, prey, predator, food web, decomposer, interdependence, population, bioaccumulation, ecosystem, community, habitat, environment, niche, competition, petal, sepal, stamen, anther, pollen, filament, carpel, stigma, style, ovary, ovule, pollination, fertilisation, fruit, seed, germination, seed dispersal	**Biology:** food chain, producer, consumer, prey, predator, food web, decomposer, interdependence, population, bioaccumulation, ecosystem, community, habitat, environment, niche, competition, petal, sepal, stamen, anther, pollen, filament, carpel, stigma, style, ovary, ovule, pollination, fertilisation, fruit, seed, germination, seed dispersal

	Chemistry: chemical reaction, reversible, physical change, acid, alkali, corrosive, irritant, concentrated, dilute, indicator, litmus, universal indicator, pH scale, neutral, strong acid, weak acid, concentration, neutralisation, base, salt **Physics:** reflect, absorb, luminous, non-luminous, transparent, translucent, opaque, eclipse, image, virtual, plane, incident ray, reflected ray, normal line, angle of incidence, angle of reflection, law of reflection, scattered, specular reflection, diffuse reflection, refraction, medium, lens, convex, converging, focus, focal point, real, virtual, concave, diverging, retina, pupil, iris, cornea, inverted, photoreceptor, optic nerve, brain, prism, spectrum, dispersion, continuous, frequency, primary colour, secondary colour, filter	**Chemistry:** chemical reaction, reversible, physical change, acid, alkali, corrosive, irritant, concentrated, dilute, indicator, litmus, universal indicator, pH scale, neutral, strong acid, weak acid, concentration, neutralisation, base, salt **Physics:** reflect, absorb, luminous, non-luminous, transparent, translucent, opaque, eclipse, image, virtual, plane, incident ray, reflected ray, normal line, angle of incidence, angle of reflection, law of reflection, scattered, specular reflection, diffuse reflection, refraction, medium, lens, convex, converging, focus, focal point, real, virtual, concave, diverging, retina, pupil, iris, cornea, inverted, photoreceptor, optic nerve, brain, prism, spectrum, dispersion, continuous, frequency, primary colour, secondary colour, filter
What employability skills are being developed?	Interpersonal skills Group work Logical and lateral thinking Developing links between topics and ideas Investigative skills Analytical skills	Interpersonal skills Group work Logical and lateral thinking Developing links between topics and ideas Investigative skills Analytical skills
Wider Curriculum Links?	Maths: measuring angles Food/gardening/horticulture Links with other STEM subjects	Maths: measuring angles Food/gardening/horticulture Links with other STEM subjects
What useful websites are there for this topic?	BBC Bitesize KS3 Science KS3 Science - BBC Bitesize	BBC Bitesize KS3 Science KS3 Science - BBC Bitesize
What wider reading could be done for this topic?	There are a selection of KS3 revision guides available online such as: CGP KS3 Science | CGP Books Oxford University Press: Activate KS3 Science	There are a selection of KS3 revision guides available online such as: CGP KS3 Science | CGP Books Oxford University Press: Activate KS3 Science
What else can students be doing independently to develop their understanding of this topic?	Regularly reviewing work and topics completed in lessons Completing further reading around the topics covered Revise for milestone assessments Practice mathematical skills such as range, mean, percentages and graph skills etc	Regularly reviewing work and topics completed in lessons Completing further reading around the topics covered Revise for milestone assessments Practice mathematical skills such as range, mean, percentages and graph skills etc