Year Grou	p: 7	Subject: Science	Term: Summer 2020	
Торіс		Key Le	arning points	Assessment
Biology: Classification and Feeding Relationships	 plants reprod of organisms Know tha similaritie Describe Know how consume Know tha 	Point: Have an understanding of how living organisms are classified by their characteristics and behaviour. Know how s reproduce and understand the importance of insect-pollination on human food security. Describe the interdependence ganisms in an ecosystem, including accumulation of toxins, using food chains, webs, and pyramid of numbers and mass now that living things are classified into groups according to common observable characteristics and based on milarities and differences escribe the process of sexual reproduction in plants now how to draw a food chain/ food web and label the producer, primary consumer, secondary consumer, tertiary onsumer and apex predator now that a pyramid of numbers shows the relative number of organisms at each stage in a food chain now that a pyramid of biomass shows the relative number of organisms at each stage in a food chain now that organisms in an ecosystem depend on each other, such as for food, shelter and pollination now about the importance of plant reproduction through insect pollination in human food security now that bioaccumulation is the build-up of toxic materials in a food chain now that sampling can be used to estimate the number of organisms living in a habitat now how to experimentally determine the number of organisms in an area by random sampling using quadrats		 Students will be formatively assessed during each topic by weekly multiple-choice tests in class: Before each assessment students will complete a revision homework After each
Chemistry: Chemical Reactions	 chemical read Know how Understal Describe Know tha Know tha Know tha Know tha Know tha Know tha when head 	End Point: Develop a basic understanding of atomic structure and how atoms interact in chemical reactions. Describe chemical reactions using equations and begin to understand energy changes during reactions. Know how to deduce the type and number of atoms in a compound from the chemical formula Understand how the name of a compound is related to the atoms it contains Describe the difference between physical and chemical changes Know that a chemical reaction can be represented by a word equation Know that the total mass of reactants is always equal to the total mass of products in a chemical reaction Know how to calculate the masses of reactants and products Know that the rate of reaction is how quickly the reactants become the products Know that thermal decomposition is a type of reaction where a compound breaks down to form two or more substances when heated Know that chemical reactions involve a transfer or energy either to or from the surroundings		
Physics: Introduction to Electricity	End Point: Ha how to draw of Know how fu Know how Know tha Know tha Know tha Know tha Know tha Know tha	ave an understanding of how an electrical circle circuit diagrams to represent simple circuits and els and energy resources generate domestic p v to draw the circuit symbol for a cell, battery, t current is the flow of charged particles, meas	uit can transfer energy through the flow of charged particles. Know ad how to measure the current and potential difference in a circuit. bower and compare the power ratings and fuel bills and costs. bulb, open switch, closed switch, motor and buzzer sured in amperes (amps) e charged particles in a circuit, measured in volts in easured in watts hours (kWh)	At the end of the term students will have a summative assessment. This will be a 45-mark exam paper (15 marks from each topic), which will be marked by their teacher