

Medium Term Plan 2020/21 Subject: Science Term: S1 Topic from LTP: RSE Science: Body Changes and Health

Lessons per week: 3 Group(s): Tomlin Fuller

Students will show achievement by knowing the various parts of the human body, how they work and how to keep healthy. They will also learn about electricity. There are opportunities to use different equipment whilst carrying out investigations which links to independence. The power point presentations will link to communication as they share their ideas. The whole RSE unit ties directly into health and wellbeing as well as looking at electricity safety. Opportunities to learn about careers include jobs in the health sector.

	Topic	Learning Intentions	Tasks	Vocab	Resources	Assessed IIs
W1	Human Life cycle	<ul style="list-style-type: none"> To be able to identify the stages of human life including puberty, the menstruation cycle and the menopause To understand and recognise the changes that happen to our bodies as we get older 	<ul style="list-style-type: none"> Discussion about the need to listen to ideas of others and to be respectful. Clarify that if anybody can use the box to ask questions they may feel uncomfortable asking directly. Sorting the correct stages of the human life cycle and pairing the correct words to the stage What age is good to ... activity (e.g. have a baby) Creating a leaflet and role play to show what general changes occur in human bodies as they get older. 	Puberty Adolescence Menopause Menstruation Cycle	<ul style="list-style-type: none"> Box to put questions in privately Cartoon pictures of the different stages of life. Laminated words of names of stages and activities to do at different stages of life Role play starter points 	<p>All students should be able to</p> <ul style="list-style-type: none"> Identify the stages of human life including puberty, the menstruation cycle and the menopause Understand and recognise the changes that happen to our bodies as we get older
W2	Changes in puberty	<ul style="list-style-type: none"> To know the correct names of body parts and organs involved in puberty To be able to identifying the natural changes 	<ul style="list-style-type: none"> Starting the lesson assessing slang words they may know already Labelling of the parts of the body that change during puberty. 	Penis Vagina Breast Sweat Erection Discharge	<ul style="list-style-type: none"> Cartoon pictures of parts of the body that change during puberty 	<p>All students should be able to</p> <ul style="list-style-type: none"> Recall the correct names of body parts and organs involved in puberty

		<p>occurring during puberty – physical and hormonal, to include wet dreams and masturbation</p> <ul style="list-style-type: none"> To be able to sort changes in puberty into male and female changes 	<ul style="list-style-type: none"> Discussion about what a hormone is and their role in puberty Discussion about how bodies change in puberty Watching a You tube clip (boys and girls separate) Venn diagram sort of things that happen to boys, girls and both Agony aunt activity to assess understanding. Students will answer made up questions. Discussion about the menopause. This has been in the news a lot lately. Girls will be encouraged to talk about it <p><i>Split of girls and boys for part of these lesson</i></p>	<p>Period Ejaculation Wet dreams Masturbation</p>	<ul style="list-style-type: none"> You tube clips of changes in puberty, girl and boy Venn diagram with words (as appropriate for each student) Agony aunt letter to answer (differentiated for each student) Article about the menopause and comprehension 	<ul style="list-style-type: none"> Identify the natural changes occurring during puberty – physical and hormonal, to include wet dreams and masturbation Sort changes in puberty into male and female changes
W3	Health throughout life	<ul style="list-style-type: none"> To be able to identifying why hygiene is important during puberty To recognise some of the products that can be used and washing techniques to help with hygiene To know why looking after their health is important through all the stages of life 	<ul style="list-style-type: none"> Role play about smell, hair etc. Only those comfortable to do this will be asked Using agar plates to swab parts of the body and to show bacteria is present Discussion on how different products work e.g. deodorant and shampoo Creating an advert for a product aimed at teenagers Creating a power point on the importance of good habits (diet, exercise, sun safety, puzzles etc) to look after yourself at all ages Preparing a healthy food plate showcasing the nutrients needed at stages in life e.g. energy for puberty, 	<p>Hygiene Deficiency Nutrients</p>	<ul style="list-style-type: none"> Role play starters Agar plates to swab underarm and hair Different deodorants and shampoo Pictures of food to create a food plate 	<p>All students should be able to</p> <ul style="list-style-type: none"> Identify why hygiene is important during puberty Recognise some of the products that can be used and washing techniques to help with hygiene Know why looking after their health is important through all the stages of life

			iron for loss in menstruation and calcium deficiency in older people			
W4	Electricity	<ul style="list-style-type: none"> To understand what electricity is - To know how electricity is generated To understand that electricity is dangerous 	<ul style="list-style-type: none"> Static electricity demonstration Labelling a diagram showing how electricity is produced Mains and battery activity sort Leaflet on electrical safety, including a walk around the school to see where electricity enters the building and where safety notices are 	Static Battery Mains Voltage Current	<ul style="list-style-type: none"> Diagram of power stations and pylons to label Various equipment to sort in battery and mains operated 	<p>All students should be able to</p> <ul style="list-style-type: none"> Understand what electricity is Recall how electricity is generated Understand that electricity is dangerous and how to keep safe
W5	Circuits	<ul style="list-style-type: none"> To know how to correctly label components of a circuit and their function To understand voltage, current and resistance in a circuit To be able to describe changes in a circuit when voltage and current are changed 	<ul style="list-style-type: none"> Assembly of circuits and matching the correct component to names Modelling of a circuit using balls Kahoot of circuit knowledge Online simulation of circuit building Investigation of how a change in voltage will affect the brightness of bulbs 	Circuit Model Brightness	<ul style="list-style-type: none"> Circuits with components Electronics game Balls and ropes to model a circuit 	<p>All students should be able to</p> <ul style="list-style-type: none"> Correctly label components of a circuit and their function Understand voltage, current and resistance in a circuit Describe changes in a circuit when voltage and current are changed
W6	Insulators and conductors	<ul style="list-style-type: none"> To know the difference between an insulator and conductor To be able to write up investigation 	<ul style="list-style-type: none"> Insulator and conductor investigation using an electric circuit Writing up investigation – predictions, method, equipment and conclusion 	Insulator Conductor Prediction Conclusion	Circuits Various insulator and conductors	<p>All students should be able to</p> <ul style="list-style-type: none"> Recall the difference between an insulator and conductor Write up investigation