Science—Term 6

(1) Equipment		(2) Key terms		(3) Maths in So
ł	<u>Thermometer</u>	Accurate	The result is close to the expected value	Rearranging equ
	Place thermometer in the liquid (hold the thermometer if in a small beaker or it will fall). Wait until the line stops moving and take a reading.	Precise	All of the results are close together	Equation Convert Substitute
		Repeatable	The same results can be achieved when the experiment is repeated	
	Boiling Tube Slightly larger than a test tube. Use to carry out small reactions or to heat small amounts of powder or liquid. Place in a test tube rack when not is use.	Method	A clear and concise set of instructions to carry out an investigation	
		Hazard	Something that could happen to cause harm	
		Risk	How likely the hazard is to happen	Units
		Hypothesis	A prediction made about the results of an investigation. Based on how we think the independent variable will affect the dependent variable.	Converting units Mass: x 1000 g mg kg ÷ 1000 Time:
	<u>Measuring cylinder</u> Read the volume of liquid from the bottom of the curve (meniscus), come in different sizes for different volumes of liquid.	Independent Variable	The factor that is changed in the investigation. Found in the first column of a table, and the x axis of a graph.	
		Dependent Variable	The factor that is measured in the investigation. Found in the y axis of a graph.	
		Control Variable	Factors in the investigation that must be kept the same for each repeat.	
(4) Equipment		(4) Processing Data		(6) Presenting
<image/>	Mass BalanceCalibrate by selecting the tare button, read the mass in grams from the digital screen at the front of the balance.Stop WatchGives time in minutes and seconds. Use the red button to start and stop the stop watch and the blue	lecting the tare button, read the mass the digital screen at the front of the ninutes and seconds. Use the red and stop the stop watch and the blue	 Method: What is the value between? 0°C - 30°C (difference is 10°C) How many lines between the two points? 5 What is each line equal to? 10°C ÷5 = 2°C What is the reading? 24°C 	Presenting data- lin
	button to reset the timer to 00:00 when stopped.	Mean	An average used in science. Find the sum of all of the numbers, and divide by the number of data points.	Favorite Dog Bree
ar Trans open party of an ar trans	Bunsen burner Used to heat substances. Orange safety flame when air hole closed. Blue roaring flame when air hole	Anomaly	A result that doesn't fit the same pattern as the other da- ta collected.	Cocker Cocker Spaniel Collee Collee Retevent
	open.		Percentage Change = <u>difference</u> x 100 original	Presenting data- r
FIL	for more help, visit Trinity TV and watch the following		The difference between all of the values. Subtract the	Galaxy Flyte

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