

Year 10 Statistics Learning Journey

Unit 1 – Collection of Data LJ2

Core knowledge	Reference number	
Collection of Data – ‘What kind of data would you use?’		
Questionnaires and Interviews - ‘What factors would determine how and what you would ask during an interview?’		
Problems With Collected Data – ‘What is meant by ‘cleaning data’?’		
Controlling Extraneous Variables - ‘What is the difference between an independent and dependent variable?’		
Hypothesis – ‘Why is a Hypothesis a statement?’		
Designing Investigations - ‘What is meant by being ‘ethical’?’		
LC Title	Completed	Dirt
Unit 1 LC2 – Collecting Data and Designing Investigations		
<p>Key Vocabulary</p> <p>Experimental – Where you as the researcher change a variable and observe the effect on other variables.</p> <p>Leading Question – A questions that suggests or tends to suggest its own answer.</p> <p>Cleaning Data – Fixing or removing incorrect, corrupted, duplicate or poorly formatted data from a data set.</p> <p>Bias – Prejudice for or against one person or group, considered unfair.</p> <p>Ethical – Following moral principles and obtaining knowledge and information in this manner.</p> <p>Representation – Representative of the entire population.</p> <p>Hypothesis – A supposition or proposed explanation made based on limited evidence, as a starting point for further investigation.</p> <p>Variable – An element, feature, or factor that is liable to change.</p> <p>Predictive Analytics – The use of statistics to make predictions about future outcomes and performance.</p>		