

Student Name: _____ Year 8: _____ Year 9: _____ Year 10: _____



CHANCE AND DATA				Levels							
		2		3		4		5		6	
12 Understand chance Students understand and use the everyday language of chance and make statements about how likely it is that an event will occur based on experience, experiments and analysis		C&D 12.2 The student: Distinguishes possible from impossible events and describes familiar, easily understood events as being more likely or less likely to happen.		C&D 12.3 The student: Distinguishes certain from uncertain events and describes familiar, easily-understood events as having equal chances of happening or being more or less likely.		C&D 12.4 The student: Places events in order from those least likely to those most likely to happen on the basis of numerical and other information about the events.		C&D 12.5 The student: Interprets and makes numerical statements of probability based on lists of equally-likely outcomes and using fractions and percentages.		C&D 12.6 The student: Estimates probabilities and proportions based on primary or secondary data collection and assigns probabilities for one- and two-stage events by reasoning about equally-likely outcomes.	
				cd31w1 cd31w2 mfwa1 13A		cd41w1 cd41w2 cd41w3 cd41w4 cd41w5 mfwa1 13B		Cd51w1 Cd51w2 Cd51w3 mfwa1 13C			
13 Collect and process data Students plan and undertake data collection and organise, summarise and represent data for effective and valid interpretation and communication.		C&D 13a.2 <i>Collect and organise data</i> The student: Realises that we can answer some questions ourselves by collecting, classifying and sequencing data. The student applies unambiguous and familiar criteria consistently when classifying and sequencing.	C&D 13b.2 <i>Summarise and represent data</i> The student: Displays and summarises data based on one-to-one correspondences between data and representation.	C&D 13a.3 <i>Collect and organise data</i> The student: Contributes to discussions to clarify what data would help to answer particular questions and takes care in collecting, classifying, sequencing and tabulating data in order to answer those questions.	C&D 13b.3 <i>Summarise and represent data</i> The student: Displays and summarises data using frequencies, measurements and many-to-one correspondences between data and representation.	C&D 13a.4 <i>Collect and organise data</i> The student: Collaborates with peers to plan what data to collect and how to classify, sequence and tabulate them to answer particular questions, and sees the need to vary methods to answer different questions.	C&D 13b.4 <i>Summarise and represent data</i> The student: Displays frequency and measurement data using simple scales on axes and some grouping, and summarises data with simple fractions; highest, lowest and middle scores and means.	C&D 13a.5 <i>Collect and organise data</i> The student: Collaborates to plan and refine survey questions and other observation methods for one and two- variable data and simulations and collects and records data, including using databases that are planned with help.	C&D 13b.5 <i>Summarise and represent data</i> The student: Displays one- and two- variable data in tables and plots and summarises data with fractions, percentages, means, modes and medians.	C&D 13a.6 <i>Collect and organise data</i> The student: Plans experiments, surveys, simulations and secondary data collections collaboratively and independently, checking that data are recorded and organised correctly, including those in databases	C&D 13b.6 <i>Summarise and represent data</i> The student: Displays and summarises to show location and variability, including situations where some grouping of data is required, in order to compare data sets and to show relationships between data sets, including box and whisker plots and standard scores.
				Cd32w1 Cd32w2 Cd32w4 Cd 33w1 Cd33w2 mfwa1 14A 14B		cd42w2 cd42w3 mfwa1 14D 14E 14F 14applications		cd52w1 cd53w1 14G 14H 14I			
14 Interpret data Students locate, interpret, analyse and draw conclusions from data, taking into account data collection techniques and chance processes involved.		C&D 14.2 The student: Describes what their own and classmates' data collections display.		C&D 14.3 The student: Reads and makes sensible statements about the information provided in tallies and in simple tables, diagrams, pictographs and bar graphs.		C&D 14.4 The student: Reads and makes sensible statements about the information provided in tables, diagrams, line and bar graphs, fractions and means, and comments on how well the data answers questions.		C&D 14.5 The student: Reads and makes sensible statements about trends and patterns in the data in tables, diagrams, plots, graphs and summary statistics and comments on data collection processes and results.		C&D 14.6 The student: Interprets, makes comparisons and describes relationships in collected and published data from tables, diagrams, plots, graphs, text, summary statistics and databases, distinguishing between sample and population data.	
				Cd34w1 Cd34w2 Cd34w3 mfwa1 14C		cd44w1 cd44w2 cd44w3		cd54w1 mfwa1 14applications			