

*Ashbourne College***S3 Scheme of work****Duration of lesson: 2 hours****Reference: Statistics 3 (ISBN 978-0-435519-14-8)**

	Week	Date	Topics	Exercise	Homework
HT1	01	4 th September	S1 & S2 revisions Normal distribution	S1 & S2 past exam questions	HW_N D. ppq
	02	11 th September	N.D. Quartiles, outliers, skewness	S1 Exercises	HW_N D. ppq
	03	18 th September	Combination of R V	Ex 1A	HW_S3_RV_1
	04	25 th September	Combination of R V	Ex 1A	HW_S3_RV_2
	05	2 nd October	Distribution of sample mean	Ex 3A	HW_S3_SD_1
	06	9 th October	Mini-mocks		
	07	16 th October	Mock discussion		Revision Sheet_1
			Half-term		

HT2	08	30 th October	Bias and unbiased-estimator	Ex 3B	HW_S3_SD_2
	09	6 th November	Estimation, C I and tests – sampling distributions and standard errors	Ex 3C	HW_S3_CI_1
	10	13 rd November	Estimation, C I and tests – sampling distributions and standard errors	Ex 3D	HW_S3_CI_2
	11	20 th November	Estimation, C I and tests – Central limit theorem and hypothesis tests	Ex 3E – 3F	HW_S3_Hyp Test_1
	12	27 th November	Estimation, C I and tests – Central limit theorem and hypothesis tests	Ex 3G – 3I	HW_S3_Hyp Test_2
	13	4 th December	Mocks		
	14	11 th December	Mock discussion		Revision Sheet_2
			Xmas		
HT3	15	1 st January	Goodness of fit, chi-squared distributions and testing of hypothesis	Ex 4A	HW_S3_GOF_1

	16	8 th January	Goodness of fit, chi-squared distributions and testing of hypothesis	Ex 4B - C	HW_S3_GOF_2
	17	15 ^h January	Applying goodness of fit tests and contingency tables	Ex 4D	HW_S3_GOF_3
	18	22 nd January	Applying goodness of fit tests and contingency tables	Ex 4E	HW_S3_GOF_4
	19	29 th January	Product moment correlation coefficient and testing of hypothesis	Ex 5A - B	HW_S3_Corr_1
	20	5 th February	Spearman's rank correlation coefficient and testing of hypothesis	Ex 5A - D	HW_S3_Corr_2
			Half-term		
HT4	21	19 th February	Mocks		
	22	26 th February	Mocks discussion		Rev_Ex_3
	23	5 th March	Sampling – random sampling and stratified sampling	Ex 2A	HW_S3_Sam_1

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	24	11 th March	Sampling – random sampling and stratified sampling	Ex 2B	HW_S3_Sam_2
	25	18 th March	Sampling – non- random sampling and other methods of sampling	Ex 2C	HW_S3_Sam_3
			Easter		

			Easter		
HT5	26	16 th April	Revision	PPQ Review Ex 1 and 2	Past exam questions
	27	23 rd April	Mock Exam		
	28	30 th April	Discussion of Mock Questions	Mock questions, Past exam questions	Past exam questions
	29	6 th May	Revision	Past exam questions	Past exam questions
	30	13 th May	Revision	Past exam questions	Past exam questions
	31	21 st May	Revision	Past exam questions	Past exam questions