Year 10 Foundation Links HT 5 – Easter – May

Follow any instructions next to each group of topics but generally follow instructions below.

1. Students should watch the videos - pausing to make notes/attempt questions.
2. Attempt "Textbook Exercises" - mark work using "Textbook Answers"
3. Attempt "Practice Questions" - mark work using "Practice Question answers" some students will want to do this straight away some students may want to attempt this the next day to see what they've remembered.

*please report any broken links to Mr Horrocks m.horrocks@durhamjohnston.org.uk

Probability – the time given is just a guidance students may take longer or shorter.

Lesson 1 (1 hour) – Recap Probability Scale – complete textbook exercise – mark questions.

Probability: scale	Video 251	Textbook Exercise	Textbook answers

Lesson 2 (1-2 hours) – Basic Probability – watch videos - complete textbook exercise – mark.

Probability: OR rule	Video 244		
Probability: basic	Video 245		
Probability: not happening	Video 250	Textbook Exercise	Textbook answers

Review (1 hour) - Complete Practice questions -		Practice Questions	Practice Questions answers

Lesson 2 (1 hour) – Sample Space – watch video – complete textbook exercise – mark. Review with Practice Questions.

Probability: sample space	Video 246	Textbook Exercise	Textbook answers
		Practice Questions	Practice Questions answers

Lesson 3 (1 hour) – Relative Frequency – watch video – complete textbook exercise – mark. Review with Practice Questions.

Probability: relative frequency	Video 248	Textbook Exercise	Textbook answers
		Practice Questions	Relative Frequency answers

Lesson 4 (1 hour) – Relative Frequency – watch video – complete textbook exercise – mark. Review with Practice Questions.

Tables: two-way tables	Video 319	Textbook Exercise	Textbook
		Practice Questions	Practice Questions answers

Lesson 5 (1 hour) – Frequency Trees – watch video – complete textbook exercise – mark. Review with Practice Questions.

Frequency Trees	Video 376	Textbook Exercise	Textbook answers
		Practice Questions	Practice Questions answers

Lesson 5 (1 hour) – Venn Diagrams – watch video – complete textbook exercise – mark. Review with Practice Questions.

Venn Diagrams	Video 380	Practice Questions	Practice Questions answers
	WATCH FIRST 7mins 20secs ONLY	**COMPLETE 1a), 2, 3, 4, 6, 7, 8, 9, 10 ONLY**	

Averages and Range – the time given is just a guidance students may take longer or shorter.

Lesson 1 (2-3 hours) – Averages and Range Recap – watch videos - complete textbook exercise – mark.

Averages: median	Video 50		
Averages: mean	Video 53		
Averages: mode	Video 56		
Averages: range	Video 57	Textbook Exercise	Textbook answers

Review (1 hour) - Complete Practice questions -		Practice Questions	Practice Questions answers

Lesson 2 (1-2 hours) – Mean from a Table – watch videos - complete textbook exercise – mark. Review with Practice Questions.

Averages: mean from a table	Video 54	Textbook Exercise	Textbook answers
		Practice Questions	Practice Questions answers

Lesson 3 (1-2 hours) – Estimate Mean – watch videos - complete textbook exercise – mark. Review with Practice Questions.

Averages: mean (estimated)	Video 55	Textbook Exercise	Textbook answers
		Practice Questions	Practice Questions answers

Pie Charts – the time given is just a guidance students may take longer or shorter.

Lesson 1 (1-2 hours) – Pie Charts (draw) – watch videos - complete textbook exercise – mark. Review with Practice Questions.

Graphs: pie charts (draw)	Video 163	Textbook Exercise	Textbook answers
		Practice Questions	Practice Questions answers

Lesson 2 (1-2 hours) – Pie Charts (interpret) – watch videos - complete textbook exercise – mark. Review with Practice Questions.

Graphs: pie charts (interpret)	Video 164	Textbook Exercise	Textbook answers
		Practice Questions	Practice Questions answers

Scatter Graphs – the time given is just a guidance students may take longer or shorter.

Lesson 1 (2-3 hours) – Scatter Graphs – watch videos - complete textbook exercise – mark.

Graphs: scatter graphs (draw)	Video 165		
Graphs: scatter graphs (interpret)	Video 166		
Graphs: scatter graphs (line of best fit)	Video 167		
Graphs: scatter graphs (correlation)	Video 168	Textbook Exercise	Textbook answers

Review (1-2 hours) - Complete Practice questions -   Practice Questions   Practice Questions answers

Other Links

You should join Khan Academy This provides thousands of hours of videos in maths and also computer science at all levels from kindergarten to undergraduate and beyond. They are building up content in a number of other areas. They have a huge set of interactive practice exercises and mastery challenges. You earn points for watching videos and solving problems. There are badges for achieving mastery of topics and whole areas. I have an embarrassing 1,500,000 points and 452 badges. See if you can beat me. My username on Khan Academy is DrMThornber.

Why not try the 5-a-day questions? – set for a range of different levels – all with solutions.

https://corbettmaths.com/5-a-day/gcse/