Subject	Year	Month	
Mathematics	10	January	Balcarras From strength to strength

Topic:

Fractions, decimals, percentages

4 lessons

Content (Intent)

Prior Learning

Year 10 Fractions January
Year 9 GCSE Percentages June

Future Learning

Year 10 Revision of GCSE percentages January

Objectives

- Convert between fractions and decimals and use this to make a calculation easier, e.g. $0.25 \times 8 = \frac{1}{4} \times 8$, or $\frac{3}{8} \times 10 = 0.375 \times 10$;
- Recognise recurring decimals and convert fractions such as $\frac{3}{7}$, $\frac{1}{3}$ and $\frac{2}{3}$ into recurring decimals;
- Understand that a percentage is a fraction in hundredths;
- Express a given number as a percentage of another number;
- Convert between fractions, decimals and percentages;
- Order fractions, decimals and percentages, including use of inequality signs.

Pedagogical notes (implementation)	How will understanding be assessed & recorded (Impact)
Students should be reminded of basic percentages and fraction conversions. Emphasise the importance of being able to convert between fractions, decimals and percentages to make calculations easier. Use long division to illustrate recurring decimals.	**End of half term** Feb **End of Year** Year 10 exams in April **How can parents help at home?** **MathsWatch clips** Qualification KS3: N32, N39a, N39b Qualification KS4: 40, 84, 85, 88, 89

Further reading/discussion

Reading / Enrichment	Literacy	Numeracy Links	Careers Links
			Chef/Dietitian Architect Pharmacist Nursing Basic numeracy requirement for all careers