Subject	Year	Month	
Mathematics	10	January	Balcarras From strength to strength

Topic:

Fractions

4 lessons

Content (Intent)

Prior Learning	Future Learning
Year 9 Fractions December	Year 10 FDP January

Objectives

- Write fractions to describe shaded parts of diagrams
- Write a fraction in its simplest form and find equivalent fractions;
- Order and compare fractions, both by using a common denominator and diagrams, use inequality signs, compare unit fractions;
- Express a given number as a fraction of another, using very simple numbers, some cancelling, and where the fraction is both < 1 and > 1;
- Convert between mixed numbers and improper fractions;
- Add and subtract fractions and when necessary write the answer as a mixed number;
- Multiply and divide an integer by a fraction, and a fraction by an integer, including finding fractions of quantities or measurements
- Understand and use unit fractions as multiplicative inverses;
- Multiply and divide fractions: simplify calculations by cancelling first;

Pedagogical notes (implementation)	How will understanding be assessed & recorded (Impact)
When expressing a given number as a fraction of another, start with very simple numbers < 1, and include some cancelling before fractions using numbers > 1. When adding and subtracting fractions, start with same denominator, then where one denominator is a multiple of the other (answers ≤ 1), and finally where both denominators have to be changed (answers ≤ 1). Regular revision of fractions is essential. Demonstrate how to the use the fraction button on the calculator. Use real-life examples where possible. 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: N23abc, N33, N34, N35, N36, N37ab, N41, N42a, R3 Qualification KS4: 24, 25, 26, 70, 71, 72, 73, 74

Further reading/discussion

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