


Subject: Maths	Fractions		
Class: T8	Teacher: Scott Gillman	Term: 1+2	
Key Vocabulary: Fraction, equivalent fractions, simplifying, numerator, denominator, mixed number, improper fraction, addition, subtraction, multiplication, division.	Alternative Learning Environments Forest school, walks around local area, local visits.	Resources: Power points, worksheets, youtube videos,	

Unit Aim:

To develop a strong understanding of fractions, including equivalent fractions, operations with fractions, and applying fraction concepts to solve real-world problems.

Prior Learning:

Students have previously learned about basic fraction concepts, including identifying and representing simple fractions and understanding their significance in mathematical contexts.

Future Learning:

Students will build upon their knowledge of fractions with more complex operations involving mixed numbers, decimals, and ratios in future units.

Unit Expectations:

Students are expected to actively participate in class activities, complete assignments on time, demonstrate understanding through assessments, and engage collaboratively with peers.

Links with other subjects:

ICT: Research and power point presentations.

Art: Creating posters

Literacy: Writing and reading skills

Week	
1 A	<p>Lesson 1: Equivalent Fractions and Simplifying</p> <ul style="list-style-type: none">- Learning Objectives: Understand and identify equivalent fractions and the process of simplifying fractions.- Success Criteria:<ul style="list-style-type: none">- Generate equivalent fractions using multiplication and division.- Successfully simplify fractions to their lowest terms.
2 A	<p>Lesson 2: Equivalent Fractions on a Number Line</p> <ul style="list-style-type: none">- Learning Objectives: Represent equivalent fractions on a number line.- Success Criteria:<ul style="list-style-type: none">- Accurately place equivalent fractions on the number line.- Explain the reasoning for placing fractions at specific points on the number line.
	Lesson 3: Compare and Order (Denominator)

3 A	<ul style="list-style-type: none"> - Learning Objectives: Compare and order fractions using the denominator. - Success Criteria: <ul style="list-style-type: none"> - Compare fractions with the same denominator and order them correctly. - Justify ordering decisions based on the values of the fractions.
4 A	<p>Lesson 4: Compare and Order (Numerator)</p> <ul style="list-style-type: none"> - Learning Objectives: Compare and order fractions using the numerator. - Success Criteria: <ul style="list-style-type: none"> - Identify and order fractions with different denominators by finding a common denominator. - Explain the process of comparison and ordering.
5 A	<p>Lesson 5: Add and Subtract Simple Fractions</p> <ul style="list-style-type: none"> - Learning Objectives: Add and subtract simple fractions with like denominators. - Success Criteria: <ul style="list-style-type: none"> - Successfully perform addition and subtraction operations on simple fractions. - Show workings clearly and check solutions for accuracy.
6 A	<p>Lesson 6: Add and Subtract Any Two Fractions</p> <ul style="list-style-type: none"> - Learning Objectives: Add and subtract fractions with unlike denominators. - Success Criteria: <ul style="list-style-type: none"> - Find a common denominator to add and subtract fractions accurately. - Simplify answers where necessary.
Week	
7 A	<p>Lesson 7: Add Mixed Numbers</p> <ul style="list-style-type: none"> - Learning Objectives: Add mixed numbers together. - Success Criteria: <ul style="list-style-type: none"> - Convert mixed numbers to improper fractions before performing addition. - Calculate sums accurately, including simplifying the final answer.

<p>8 A</p>	<p>Lesson 8: Subtract Mixed Numbers</p> <ul style="list-style-type: none"> - Learning Objectives: Subtract mixed numbers accurately. - Success Criteria: <ul style="list-style-type: none"> - Convert mixed numbers to improper fractions for subtraction. - Solve subtraction problems correctly and simplify answers when necessary.
<p>9 A</p>	<p>Lesson 9: Multi-Step Problems</p> <ul style="list-style-type: none"> - Learning Objectives: Solve multi-step problems involving fractions. - Success Criteria: <ul style="list-style-type: none"> - Identify key information and operations needed in multi-step fraction problems. - Clearly outline the steps taken to reach a solution and check for correctness.
<p>1 B</p>	<p>Lesson 1: Multiply Fractions by Integers</p> <ul style="list-style-type: none"> - Learning Objectives: Multiply fractions by whole numbers (integers). - Success Criteria: <ul style="list-style-type: none"> - Perform multiplication of fractions by integers accurately. - Express answers in the simplest form.
<p>2 B</p>	<p>Lesson 2: Multiply Fractions by Fractions</p> <ul style="list-style-type: none"> - Learning Objectives: Multiply one fraction by another fraction. - Success Criteria: <ul style="list-style-type: none"> - Correctly multiply fractions, including simplifying results when needed. - Demonstrate the multiplication process step-by-step.
<p>3 B</p>	<p>Lesson 3: Divide a Fraction by an Integer</p> <ul style="list-style-type: none"> - Learning Objectives: Divide a fraction by a whole number (integer). - Success Criteria: <ul style="list-style-type: none"> - Solve problems involving dividing fractions by integers accurately. - Explain the concept of division of fractions using models or visual aids.

4 B	<p>Lesson 4: Divide Any Fraction by an Integer</p> <ul style="list-style-type: none"> - Learning Objectives: Divide any fraction (including improper fractions) by an integer. - Success Criteria: <ul style="list-style-type: none"> - Perform division of various fractions by integers with precision. - Provide clear and concise explanations of the steps taken.
5 B	<p>Lesson 5: Mixed Questions with Fractions</p> <ul style="list-style-type: none"> - Learning Objectives: Solve a variety of problems involving different fraction operations. - Success Criteria: <ul style="list-style-type: none"> - Demonstrate understanding by solving problems that require a mixture of addition, subtraction, multiplication, and division with fractions. - Present answers clearly and check work for accuracy.
6 B	<p>Lesson 6: Fraction of an Amount</p> <ul style="list-style-type: none"> - Learning Objectives: Calculate the fraction of a given amount. - Success Criteria: <ul style="list-style-type: none"> - Perform calculations to find a specific fraction of a numerical amount. - Apply real-world contexts to fractional calculations effectively.
7 B	<p>Lesson 7: Fraction of an Amount - Find the Whole</p> <ul style="list-style-type: none"> - Learning Objectives: Use fractions to determine the whole from a given part. - Success Criteria: <ul style="list-style-type: none"> - Understand the relationship between parts and wholes in fraction calculations. - Solve problems to find the original amount given a part in fraction form.