Teacher Preparation Lesson Plan

Subject Area: Mathematics
Unit Title: Fractions
Grade Level: Year 4
Lesson Number: 1 of 10

Duration: 60 minutes
Date: 2023-02-20
Teacher: John Doe
Room: 101

Curriculum Standards Alignment

Content Standards:

- Recognise and write fractions with the same denominator
- Add fractions with the same denominator
- Add fractions with different denominators using equivalent fractions

Skills Standards:

- Problem-solving
- Critical thinking
- Communication

Cross-Curricular Links:

- Science
- Technology
- Engineering
- Mathematics (STEM)

Essential Questions & Big Ideas

Essential Questions:

- What is a fraction?
- How do we add fractions with the same denominator?
- How do we add fractions with different denominators?

Enduring Understandings:

- Fractions can be used to represent part of a whole
- Fractions can be added and subtracted
- Fractions can be used to solve real-world problems

Student Context Analysis

Class Profile:

- Total Students: 30
- ELL Students: 5
- IEP/504 Plans: 3
- Gifted: 2

Learning Styles Distribution:

- Visual: 40%
- Auditory: 30%
- Kinesthetic: 30%

Introduction to Adding Fractions

Welcome to the lesson plan on adding fractions for UK Primary School students in Year 4. This lesson plan is designed to cater to mixed ability differentiation, providing foundation, core, and extension activities to support diverse learners.

Learning Objectives

Foundation: Recognise and write fractions with the same denominator
Core: Add fractions with the same denominator
Extension: Add fractions with different denominators using equivalent fractions

Foundation Activity

Provide students with a worksheet containing simple fraction addition problems with the same denominator.

Fraction 1	Fraction 2	Sum
1/4	1/4	
1/6	1/6	
2/8	1/8	

Core Activity

Provide students with a worksheet containing more complex fraction addition problems with the same denominator.

Fraction 1	Fraction 2	Sum
3/4	1/4	
2/6	1/6	
4/8	2/8	

Extension Activity

Provide students with a worksheet containing fraction addition problems with different denominators.

Fraction 1	Fraction 2	Sum
1/2	1/4	
3/6	1/8	
2/4	3/8	

Assessment Opportunities

Formative Assessment: Observe students during the activities and provide feedback on their understanding
Summative Assessment: Use the worksheets completed during the lesson to assess students' understanding of adding fractions
Self-Assessment: Encourage students to reflect on their own learning and identify areas for improvement

Conclusion

By following this lesson plan, teachers can provide a comprehensive and engaging learning experience for their students, catering to diverse learning needs and promoting a deep understanding of adding fractions.