

Math Grade 4 Unit 2
Curriculum Unit Planning Template
Canterbury Public Schools

Subject	Math
Grade Level	4
Unit Title	Fraction Equivalence and Comparison
Unit Goals	<p>Students generate and reason about equivalent fraction and compare and order fractions with the following denominators, 2,3,4,5,6,8,10,12</p> <p>Section A Size and location of fractions Make sense of fractions and denominators 2,3,4,5,6,8,10,12, through physical representations and diagrams Reason about the location of fractions on a number line</p> <p>Section B Equivalent Fractions Generate equivalent fractions with the following denominators : 2,3,4,5,6,8,10,12,,and 100</p> <p>Section C Fraction comparisons Use visual representations or a numerical process to reason about fraction comparisons</p>
Pacing (# of weeks)	2-3 weeks
Standards	4.NF.A.1, 4.NF.A.2
Content/Conceptual Knowledge (know)	<p>Any fraction unit $1/b$ results from a whole partitioned into b equal parts. Use unit fractions to build non-unit fractions, including fractions greater than 1, and represent them on fraction strips and tape diagrams</p>
Skills (be able to do)	<p>Use fraction strips, tape diagrams, and number lines to make sense of the size of fractions,generate equivalent fraction and compare and order fractions with denominators of 2,3,4,5,6,8,10,12 and 100 Make sense of the size of fractions, generate equivalent fractions, and compare and order fractions with denominators listed Generalize that a fraction a/b is equivalent to fraction $(nxa)/(nxb)$ because each unit fraction is being broken into n times as many equal parts, making the size of the part n times as small and the number of parts in the whole n times as many. Use equivalent fractions and benchmarks such as $\frac{1}{2}$ and 1 to reason about and make sense of a numerical way to determine equivalence and generate equivalent</p>

	fractions Work to compare fractions with different numerators and denominators
Essential Questions	How do you compare and order fractions with and without the same denominators? How are fractions located on a number line?
Enduring Understandings	A fraction a/b is equivalent to fraction $(nxa)/(nxb)$ because each unit fraction is being broken into n times as many equal parts, making the size of the part n times as small and the number of parts in the whole n times as many.
Vocabulary	Equivalent, fraction , numerator, denominator , compare
Common Learning Experiences	Lesson 4, Activity 2, Fractions on Number Lines Use number lines as a tool for finding equivalent fractions and verify equivalence of two fractions Lesson 8 Activity 1 Handy Number Lines Lesson 12 Activity 1 The Greatest of Them All
Assessments	End of unit , write equivalent fractions with a particular denominator as a way to compare any fractions, daily cool downs, checkpoints
Resources	Number lines fraction strips, Where Do They Belong -copy, How Do You Know, Fractions Galore
Strategies	Use number lines , tape diagrams, rulers