CONNEAUT AREA SCHOOL DISTRICT			
UNIT OF STUDY: place value COURSE/GRADE:		5 # WFFKS: 4	
MODULE 1		Whole Number and Decimal Fraction	
		Place Value to the One-Thousandths	
Focus (emphasis) Standards/EC:		Technology/manipulatives:	
CC.2.1.5.B.1 – Apply place value to show an		Base-ten blocks; pictures of base-ten blocks;	
understanding of operations and rounding as		interactive images of base-ten blocks; number	
they pertain to whole numbers and decimals		lines; number cards; number cubes; spinners;	
-Eligible Content:		money; metric and customary measuring tools;	
* M05.A-T.1.1.1: demonstrate an understanding that in a		conversion charts.	
multi-digit number, a digit in one place represents 1/10 of		(see Grade 5 Module 1 attachment for examples of usage)	
the number 770, the 7 in the tens place is 1/10 the 7 in	n the		
hundreds place)		Dry-erase boards, eno-board	
* M05.A-T.1.1.2: explain patterns in the number of	zeros	Fraver Model graphic organizer (note-taking)	
of the product when multiplying a number by powers	of 10		
when a decimal is multiplied or divided by a power of 10.		studyzone.org (resources and interactive practice)	
Use whole-number exponents to denote powers of 10.		www.studvisland	
$(4 \times 10^2 = 400 0.05 \text{ divided by } 10^3 = 0.00005)$		www.firstinmath.com	
* M05.A-T.1.1.3: read and write decimals to thousa	andths	xpmath.com	
(347.392=3x100+4x10+7x1+3x(0.1)+9x(0.01)+2x(0.001)	1)		
* M05.A-T.1.1.4: compare two decimals to thousar	ndths	National Library of Virtual Manipulatives	
based on meanings of the digits in each place using >,	=, and		
> symbols * M05 A-T 1 1 5. round decimals to any place value	e (limit		
to ones, tenths, hundredths, or thousandths place)			
CC.2.4.5.A.1 – Solve problems using conversions			
within a given measurement system			
-Eligible Content:			
*M05.D-M.1.1.1: convert between different-sized			
measurement units within a given measurement system.			
Important (reinforced) Standards/EC:		Reading, writing, speaking strategies:	
		Journaling, read aloud, lecture, word problems,	
There are no standards currently aligned to	this	persuasive/informational/expository writing,	
resource.		graphic organizers, Frayer model, cooperative	
		learning, board work, demonstration, Think-Pair-	
		Share, note-taking, crossword puzzles, , bell-	
		ringers	
Vocabulary:		Questioning and discussion techniques:	
vocabulary.		Questioning and discussion techniques.	

Customary and metric units of measurement; powers of 10; base-ten numeral form; decimal/decimal point; decompose; elapsed time; expanded form; exponent; factor; mass; tenth/hundredth/thousandth; unit fractions; rounding; estimate; product; commutative property of addition/multiplication; associative property of addition/multiplication	Bell-ringers; exit tickets; journals; Frayer Model; highlighting key terms; small group/ whole group; demonstrations; homework review; dry-erase checks
Real life application:	Performance assessment:
career connections:	http://www.sandi.net/Page/62252
http://www.xpmath.com/careers/lite.php	
cooking: huilding	
Computation:	Accommodations/adaptations:
Use whole number exponents to denote powers	
of 10; reason about the magnitude of numbers	Base-ten blocks; pictures of base-ten blocks;
(tens place is ten times as much as ones place; ones place in 1/10 the size of tens place) multiply and divide by multiples	lines: number cards: number cubes: sninners:
of 10 and powers of 10 (10^2 = 10x10 = 100 – decimal point	money: metric and customary measuring tools:
moves to the right $350 \cdot 10^3 = 350 \cdot 1000 = 0.350 = 0.35 - decimal$	conversion charts.
moves to the left); compare decimal values; round	
more numbers and decimals; convert unit	Differentiation strategies, small group
measurements for length, mass and volume	instruction, cooperative learning, guided practice,
	peer tutoring, limited problems/choices,
	diagrams and graphs
SAS Module Resources:	
www.pdesas.org	
Frameworks Math-PA Standards: Focus and Important	
Standards	
earning)	
	1