Fifth Grade **Math Learning Progression**

Vocabulary: decimal, decimal point, place value, number line, whole units, tenths, hundredths, thousandths

Explain how the concept of a whole unit connects with the decimal place **Identify the names** of the columns in the decimal place value system and explain what the decimal point signifies.

Demonstrate and explain how our money connects with the decimal place value system

Identify decimal place values on a decimal number line. (Numerical and metric)

Demonstrate adding and subtracting of decimal numbers in words, manipulatives and symbols

Represent addition subtraction of decimals using place value models and connect to the related equation representation. Fluently and accurately add and subtract decimals. CCSSM 5.NBT.7

5.2.B & F

value system.

"I can identify the names of decimal place value system on both sides of the decimal

Formative Assessments:

within the decimal place

"I can demonstrate and

explain how one whole

unit connects and fits

value system."

Place Value Mats Base Ten Blocks 100s pocket chart (used for place value columns) **U S Currency**

individual columns within the point and explain why we use and need a decimal point."

Formative Assessments:

Write or demonstrate a given decimal number. Compare and order sets of decimal numbers. Column Names set ordering

"I can accurately connect money with the decimal system and demonstrate how our different pieces of currency are connected."

Formative Assessments:

Connect money examples to a place value chart. From a decimal columns named chart, rename the columns with U S currency values.

"I can identify and explain decimal positions on a graduated number line or a meter stick."

Formative Assessments:

Number lines Meter sticks Architect rulers Fraction bars Digital thermometers

"I can demonstrate the connection of how adding and subtracting whole numbers uses the same process when adding decimal fractions and mixed decimal numbers."

Formative Assessments:

Place value mats U S Currency Base Ten blocks Commutative and Associative properties Decimal point placement



Math & Science Collaborative Inquiry Project