**Work and Apprenticeship 10**

Ms. Watson

Aug. 2010 – Jan. 2011

**Unit I – Unit Pricing and Currency Exchange Aug 26 – Sept 13**

* **Apply proportional reasoning to solve problems involving unit pricing and currency exchange.**
* **Analyze puzzles and games that involve spatial reasoning using problem solving strategies.**

**Unit 2 – Earning an Income Sept 14 – Sept 27**

* **Demonstrate understanding of the preservation of equality including solving problems that involve the manipulation and application of formulas related to income.**
* **Demonstrate understanding of income including:**

**• wages • salary • contracts • commissions • piecework • self-employment • gross pay • net pay.**

* **Analyze puzzles and games that involve spatial reasoning using problem solving strategies.**

**Unit 3 – Length, Area and Volume Sept 28 – Oct 21**

* **Demonstrate understanding of the preservation of equality including solving problems that involve the manipulation and application of formulas related to:**

**• perimeter • area • the Pythagorean Theorem • primary trigonometric ratios • income.**

* **Demonstrate using concrete, and pictorial models, and symbolic representations, understanding of measurement systems including:**

**• The Système International (SI) • The British Imperial system • The US customary system.**

* **Demonstrate, using concrete and pictorial models, and symbolic representations, understanding of linear measurement, including units in the SI and Imperial systems of measurement.**
* **Demonstrate using concrete and pictorial models, and symbolic representations, understanding of area of 2-D shapes and surface area of 3-D objects including units in SI and Imperial systems of measurement.**
* **Analyze puzzles and games that involve spatial reasoning using problem solving strategies.**

**Unit 4 – Mass, Temperature and Volume Oct 25 – Nov 10**

* **Demonstrate using concrete, and pictorial models, and symbolic representations, understanding of measurement systems including:**

**• The Système International (SI) • The British Imperial system • The US customary system.**

* **Analyze puzzles and games that involve spatial reasoning using problem solving strategies.**

**Unit 5 – Angles and Parallel Lines Nov 15 – Dec 2**

* **Demonstrate understanding of angles including:**

**• drawing and sketching • replicating and constructing • bisecting • relating to parallel, perpendicular, and transversal lines • solving problems.**

* **Analyze puzzles and games that involve spatial reasoning using problem solving strategies.**

**Unit 6 – Similarity of Figures Dec 6 – Dec 20**

* **Demonstrate understanding of similarity of convex polygons, including regular and irregular polygons.**
* **Analyze puzzles and games that involve spatial reasoning using problem solving strategies.**

**Unit 7 – Trigonometry of Right Triangles Jan 6 – Jan 19**

* **Demonstrate understanding of the preservation of equality including solving problems that involve the manipulation and application of formulas related to:**

**• perimeter • area • the Pythagorean Theorem • primary trigonometric ratios**

* **Apply understanding of the Pythagorean Theorem to solve problems.**
* **Demonstrate an understanding of primary trigonometric ratios (sine, cosine, and tangent).**
* **Analyze puzzles and games that involve spatial reasoning using problem solving strategies.**

***Evaluation***

*Each of the 11 outcomes will be weighted equally, with the exception of WA10.2. It will be worth HALF as much as the other outcomes.*

In class 75%

Final 25%