

Learning Experience Template

Course/Seminar Title: **Living on Your Own (CP)**

HS32916 (1 credit)

Seminar

Course

Other

Learning Experience Description:

Want to move out of your parents' basement? Here are some ways you can make that happen: credit, tax returns, loans, investing, insurance. This math class will help you master the skills necessary to successfully live on your own.

Measurement Topic areas touched upon in the learning experience (quick list):

Math: Geometry: Attributes and Properties

Math: Geometry: Measurement

Math: Tools of Measurement: Measurement

Math: Number Sense: Fractions, Decimals, Percents

Expected Learning Targets (that students would have an opportunity to certify on):

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| MA.GAP.8.8 | 3: Understands supplementary, complementary, vertical, and adjacent angles. Understand angle relationships: parallel lines cut by a transversal, angle sum and exterior angles of a triangle. 2: Knows the terms supplementary, complementary, vertical, adjacent angles, transversal, alternate exterior angle, alternate interior angle, exterior angle, interior angle, corresponding angles, consecutive interior angles |
| MA.GAP.HS.15 | 3: Is skilled at solving problems applying the properties of triangles and quadrilaterals (i.e. sums of angles) 2: Knows the terms: median, altitude, angle bisector, perpendicular bisector |
| MA.GCS.HS.5 | 3: Understands using coordinates to find perimeter of polygons and areas of triangles and rectangles. Understands using simple geometric theorems on a coordinate plane 2: Knows the term: theorem, Pythagorean Theorem. Knows distance formula and the slopes of parallel & perpendicular lines |
| MA.GME.7.6 | 3: Is skilled at finding the area of triangles, parallelograms, trapezoids, and other polygons. 2: Knows the area of right triangles, other triangles, quadrilaterals, and other polygons can be found by composing and decomposing into simpler figures. Knows the formula for finding area of triangles parallelograms and trapezoids. |
| MA.GME.7.7 | 3: Is skilled at finding area and circumference of circles 2: Knows the formula for area and circumference of a circle. Know the terms: circumference, radius diameter, pi. Knows that pi can be approximated by 3.14 and 22/7. Knows the relationship between the radius and diameter of a circle |
| MA.GME.HS.12 | 3: Is skilled at finding the area of a non-right triangle using trigonometry. 2: Understand the different formulas that can be used to find the area of a non-right triangle. |
| MA.GME.HS.13 | 3: Is skilled at finding surface area of cones, cylinders, spheres, prisms and pyramids 2: Knows the formulas for finding the surface area of cones, cylinders, spheres, prisms and pyramids |
| MA.GME.HS.9 | 3: Is skilled at finding surface area of triangular and rectangular prisms, triangular and rectangular pyramids. 2: Knows the terms: nets, surface area. Knows surface area of three dimensional figures can be found using nets made up of triangles and rectangles. |
| MA.MME.8.7 | 3: Is skilled at solving multi-step word problems requiring conversions of measurement. 2: Knows how to read |

a unit conversion chart.

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| MA.NSF.6.12 | 3: Is skilled at multiplication and division of decimals to hundredths place. 2: Knows the steps for multiplication and division of decimals. |
| MA.NSF.7.13 | 3: Is skilled at finding the percent of a quantity 2: Knows terms: percent, quantity, terminating or repeating decimal, bar notation. Understands the relationships among fractions, decimals and percent. |

Other related Measurement Topics/Learning Targets that may be touched upon and possibly certified by students (likely through additional work):

Suggested Prerequisite Learning Experiences (courses, seminars, learning targets):

Math After High School