AAD–Geometry I

Course Code(s):	TBD
Prerequisite(s):	none
Credit:	1
Grade Level:	9-12
Graduation Requirements:	This course satisfies one of four mathematics credit requirements for the alternate academic diploma
Programs of Study and Sequence:	This is typically the third course in a mathematics program of study.
Teacher Endorsement(s):	TBD

Course Requirements

Please note: geometry only have one conceptual category, geometry, so the coding for each standards only refers to geometry once.

Domain: Congruence (CO)		
Cluster	Standard Code	Standard
A. Experiment with transformations in the plane	AAD.G.CO.A.1	Recognize shapes rotated within a 2-dimentional plane.
	AAD.G.CO.A.2	Recognize shapes that are similar despite size or orientation.
B. Understand congruence	AAD.G.CO.B.1	Use the definitions to demonstrate congruency and similarity in figure. (ex. Identify a right angle in two different three sided figures so the two are similar right triangles. H.GM.1b1
C. Prove geometric properties	AAD.G.CO.C.1	Use a ruler, protractor, gauge, or other measurement tool to prove that tow geometric shapes are similar or congruent in size.
D. Create geometric shapes	AAD.G.CO.D.1	Use technology, writing tools, or other media to create geometric shapes.

Domain: Similarity, Right, Triangles, and Trigonometry (SRT)		
Cluster	Standard Code	Standard
A. Understand the properties of common geometric shapes.	AAD.G.SRT.A.1	Identify the sides, hypotenuse, and right angle in a right triangle. H.GM.1b1EU
B. Prove similarity	AAD.G.SRT.B.1	Prove similarity of shapes using measurement tools, definitions of a shapes, templates, or other problem solving strategies.
C. Define and solve problems using a ratio	AAD.G. SRT.C.1	Use ratio to solve a real world problem. (The ratio of chicken fingers to person is 5:1. How many will need cooked for 10 people to eat?)
Domain: Circles (C)		
Cluster	Standard Code	Standard
A. Understand and apply basic theorems of circles	AAD.G.C.A.1	Recognize that all circles are similar.
B. Divide a circle into equivalent fractions	AAD.G.C.B.1	Recognize that a circle must be divided on the radius to create equivalent fractional pieces.
Domain: Geometric Properties with Equations (GPE)		
Cluster	Standard Code	Standard
A. Use measurements to create a common shape or segment a line	AAD.G.GPE.A.1	Use measurements and a measurement tool to create a simple shape (square, rectangle, right triangle)
	AAD.G.GPE.A.2	Use measurement and a measuring tool to segment a line (ex. Cut string into 36” lengths)
B. Apply measurement to volume	AAD.G.GPE.B.1	Measure volume of solids and liquids.
Domain: Modeling and Geometry (MG)		
Cluster	Standard Code	Standard

A. Use geometric shapes and properties to describe objects	AAD.G.MG.A.1	Use geometric shapes, measurement, and/or volume to describe objects.
	AAD.G.MG.A.2	Solve real world problems using geometry, measurement, and/or volume.

Standards Numbering Notes

The numbering is not exactly parallel to the state standards but is designed to create some consistency across disciplines for the special education teachers who may be teaching multiple subjects.

The following system was used to number the mathematics standards:
AAD.A1.A.SSE.A.1
Alternate academic diploma (**AAD**) standards
Algebra I (**A1**) is the course
Algebra (**A**) is the conceptual category
Seeing Structure in Expressions (**SSE**) is the domain.
A is the first cluster (ordered A, B, C etc. for first, second, third cluster within the domain, etc.)
1 is the standard number in the cluster (standards numbered consecutively within each cluster)

Domains indicated with a * are the major work of the grade

For standards that align to the MSAA Core Content Connectors (CCC), the code for that connector will appear after the standard and either begins with an “H” indicating high school level.