Jefferson City Public Schools–Curriculum

SUBJECT: Elementary

COURSE: EER

STRAND: Great Greek Math Guys and One Great Greek Math Gal

Objectives	Assessment/Evaluation	Instructional Activities
(A) Accurately explains the meaning of a given paradox **Performance: 1.5, 1.6, 3.3, 4.6** **Knowledge: (CA) 1 (MA) 6** **CAGLE: R.1.Ha-f (gr. 8)**	Using a scoring guide, the teacher will read and evaluate a paragraph written by the student	• Take notes from Zeno presentation • Solve paradoxical problems in pairs • Write an explanation of a paradoxical problem solved individually
(B) Write a clear and correct conclusion to the astrolabe experiment **Performance: 3.1, 3.4, 3.5, 4.6** **Knowledge: (CA) 1 (MA) 5 (SC) 7** **SCGLE: SC7.1.Aa-e (gr. 6), SC7.1.Ca-c (gr. 6)**	Using a scoring guide, the teacher will read and evaluate a paragraph written by the student	• Take notes from Hypatia presentation • Use scientific principle to set up an experiment • Construct an astrolabe • Use astrolabe to measure distance • Write a conclusion to the experiment
(C) Write a clear and correct conclusion to the Archimedes principle experiment **Performance: 3.1, 4.5** **Knowledge: (CA) 1 (MA) 2 (SC) 2,7** **SCGLE: SC8.1.Aa-e (gr. 6), SC8.1.Ca-c (gr. 6)**	Using a scoring guide, the teacher will read and evaluate a paragraph written by the student	• Take notes on Archimedes presentation • Use the scientific method to set up the experiment of Archimedes principle • Perform the experiment • Write a conclusion to the experiment
(D) Present a persuasive speech to the class demonstrating effective presentation skills including posture, eye contact, and voice inflection **Performance: 1.8, 2.2** **Knowledge: (CA) 1,5,6** **CAGLE: LS.2.A (gr. 6)**	Peer/teacher evaluation to determine whether or not all aspects of the presentation are satisfactory	• Give speech to the class • Evaluate the speeches of peers
(E) Write clear, detailed information about Ancient Greek mathematicians **Performance: 4.4** **Knowledge: (CA) 1,4,6** **CAGLE: W.2.Ea-e (gr. 5)**	Using a scoring guide, the teacher will read and evaluate a paragraph written by the student	During each session, the student will take notes during a "visit" by the mathematician of the day

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(F) Write a persuasive speech with supporting details **Performance: 1.10, 2.2, 4.1** **Knowledge: (CA) 1,4** **CAGLE: R.3.A, W.2.Ab, W.2.Ca-c (all gr. 6)**	Using a scoring guide, the teacher will read and evaluate a paragraph written by the student	• Take notes during a Plato presentation • Fill out KWL chart • Read background information on the Mystery of Atlantis • Take notes from information presented from various points of view • Write persuasive speeches either supporting or refuting the existence of Atlantis • Enter a vote, with supporting evidence, on the existence of Atlantis