Jefferson City Public Schools–Curriculum

SUBJECT: Elementary

COURSE: EER

STRAND: Mathematical Minds and Scientific Psyches - Short Term

Objectives	Assessment/Evaluation	Instructional Activities
(A) Learn about the life and works of John Napier Discover numerical patterns Compute multiplication using Napier bones **Performance: 1.6** **Knowledge: (MA) 1** **SCGLE: SC8.2.A (Gr. 6)** **NETS: N/A** **DOK: 2**	Students will self-assess: • crossword puzzles • double to single digit multiplication page	• Read and discuss the life of Napier • Complete a crossword puzzle • Use Napier rods to complete double to single digit problems
(B) Compute multiplication using Napier bones Identify modern uses of Napier's discovery **Performance: 1.6** **Knowledge: (MA) 1** **MAGLE: NO.3.C (Gr. 5)** **NETS: N/A** **DOK: 2**	• Teacher will assess double digit multiplication – assessed using a key • Students will self-assess earthquake mathematics	• Review double to single multiplication using rods • Practice doing double to double multiplication using rods • Complete earthquake mathematics using calculators
(C) Learn about the life and works of Fibonacci Identify numerical patterns found in nature **Performance: 1.6, 3.2** **Knowledge: (MA) 1,4 (SC) 3,7** **MAGLE: NO.3.D (Gr. 6); AR.1.A (Gr. 5)** **SCGLE: SC8.2.A (Gr. 6)** **NETS: N/A** **DOK: 2**	• Teacher will assess mathematical patterns – assessed using a key • Students will self-assess the Golden Rectangle activity	• Read about Fibonacci • Count and chart rabbits • Complete mathematical patterns • Observe items and record Fibonacci sequences • Golden Rectangle activity