Alexandria Technical and Community College

TRDR 1609: Math and Trip Planning

A. COURSE DESCRIPTION
   Credits: 3
   Lecture Hours/Week: 2
   Lab Hours/Week: 1
   OJT Hours/Week: *
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   The course enables learners to plan, using a Rand McNally Road Atlas, the most effective and efficient routing between pickup and delivery points. The course also includes review of basic math and industry math applications. The areas covered are addition, subtraction, decimals, percentages, and math problems commonly found in the truck driving profession.

B. COURSE EFFECTIVE DATES: 12/30/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS
   1. Demonstrate industry math skills.
   2. Identify all map symbols.
   3. Tabulate miles to hours of driving.
   4. Tabulate cost / mile.
   5. Figure out weight / axle.
   6. Familiarize with electronic logs.
   7. Calculate and experience the cost of living on the road.
   8. Understand the importance of retaining receipts.

D. LEARNING OUTCOMES (General)
   1. The learner will demonstrate ability to use math according to industry’s problem solving.
   2. The learner will demonstrate ability to read road maps, figure miles to hours, and find the most direct route.
   3. The learner will demonstrate ability and knowledge to be an owner operator. The learner will also be able to perform and maintain service records.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted