

GRADE LEVEL: 5-8

STRAND: Data and Statistics

GLCES: 6th Grade

LESSON TITLE: Drop It!

LEARNING OBJECTIVES:

- Students will express simple theoretical probability as a fraction, decimal, and percent.
- Students will demonstrate knowledge of events with probabilities of 0 and 1.

MATERIALS: Penny or other coin
Handouts -- Drop It! Activity Sheet
Drop It! Score Sheet
Drop It! Game Board

BACKGROUND: Students should have experience with determining theoretical probability, expressing probability as a fraction, decimal, and percent, and adding fractions.

INSTRUCTIONAL PLAN: (See ACTIVITY SHEET)

EXTENSIONS: (See ACTIVITY SHEET)

MICHIGAN GLCEs:

D.PR.06.01 Express probabilities as fractions, decimals or percentages between 0 and 1; know that 0 probability means an event will not occur and that probability 1 means an event will occur.

D.PR.06.02 Compute probabilities of events from simple experiments with equally likely outcomes (e.g., tossing dice, flipping coins, spinning spinners) by listing all possibilities and finding the fraction that meets given conditions.