

Strategy: Rehearsal

Title: Mastery of multiplication tables

Time Required: 60 minutes

Number of Participants: 2-25

Target Audience: Fourth grade elementary school children

Goal of Activity: Students will recall and memorize multiplication tables through repetition and rehearsal.

Purpose of Script: Teach students multiplication tables.
Teach students the study strategy of rehearsal.

Learning Outcome(s), Gagne's Taxonomy: Math Facts

Learning Outcome(s), HEO Taxonomy: Knowledge

Learner Characteristics: Fourth grade students enrolled in a local elementary school

Entry Skills: Students have been introduced to multiplication tables, math facts, and math concepts. This exercise will strengthen the student's knowledge and ability to recall multiplication tables.

Setting: Classroom environment

Media: Flashcards, paper, and pencil

Process: The students will be presented with multiplication tables (1x1 to 12x12) on flash cards. The multiplication flash cards may be divided according to the topic of the lesson. First, the instructor will go over the correct answers of the flash cards to get the students "warmed up". Next, the students will be called on to respond as an individual or as a group and provide the correct answer on the flashcards either by calling out the answers or by writing the answers down.

- Group rehearsal will be used, for example, have the students repeat the correct answers after the instructor as a "warm-up".
- Multi-sensory activities will be used to help teach the multiplication tables, i.e. have students write it, say it, sing it, show it, etc.
- Plan to take short breaks to keep attention spans optimal
- Give students plenty of positive reinforcement
- Teach students to self-monitor their daily use of multiplication

Strategy Assessment:

Students will be assessed on how well they have mastered multiplication tables and math facts. They will be periodically tested on their multiplication skills. This will enable the instructor to determine the students' ability to recall multiplication problems.

Authors: The Buffalo Group: Joyce Guest, Melissa Jones, Wesley Miller, and
Richard Diegan

References:

http://www.allkindsofminds.org/library/Challenges/TWNMathFacts_ImpactAttention.htm