

# Trial/Pilot Event

Contact the organizers of your tournament to find out what trial/pilot events will be held.

**MINING THE MIND -Trial** (6/13/02)

## **DESCRIPTION:**

This year's topic will be visual perception with hands-on tasks that will illustrate how we perceive visual perception. The events will consist of activities demonstrating skills and knowledge in this area. The activities include making observations, identifying depth clues, constructing and measuring visual stimuli and inferences from data.

**A TEAM OF UP TO:** 3

**APPROXIMATE TIME:** 30 minutes

## **EVENT PARAMETERS:**

References: Coren, S. and Ward, L.M. (1989) Sensation & Perception, San Diego: Harcourt Brace Jovanovich. Shiffman, R.H. (1982), Sensation & Perception, New York: John Wiley and Sons. Sekuler, R. and Blake, R. (1994) Perception, New York: McGraw Hill and any basic textbook in Sensation and Perception.

## **THE COMPETITION:**

Students will observe a series of photos and drawings and identify the cues portraying depth. We will also show pictures of perceptual illusions and ask the students to identify which depth cues are producing the perceived distortions. In addition, the students will make stereo drawings of simple line figures, and write an explanation of a visual depth effect.

## **SAMPLE TASKS:**

Given a reproduction of Leonardo's THE LAST SUPPER, identify the depth cues used.

What depth cues might explain the Muller Lyer Illusion? (See diagram)

Draw a stereogram of two vertical lines, one appearing closer to the observer.

**SCORING:** Points will be awarded for the completeness and quality of answers, and the accuracy of drawings.