



## Macomb Science Olympiad 2010 Extravaganza Pentathlon – Division B

Event Supervisor- Julie Klein

Goal : Complete 5 sets of physical challenges and academic challenges in the five major Science Olympiad content areas. Lowest time determines the winner.

- Held inside the SEC building at MCCC. Scheduled time is 9:40 am to 3:20 pm.
- Athletic clothing is recommended- tennis shoes, sweats or shorts
- Must have 4 members or a 2 minute penalty added to score per missing team member. All team members must participate.
- Timing measured by the nearest hundredths of a second. Tie breaker will be the lowest group academic challenge time or score.
- May have an object used as baton to pass between members
- **Academic Challenges or content areas will not be announced**
- **Academic Challenge must be answered correctly to move on the next challenges unless 2 minute limit is reached.**

### Examples of Individual Physical Challenge

- **Tennis ball and tennis racket dribble**
- Basketball dribble – left hand and right hand (each one way)
- Golf putt to tin can
- Jumping Rope (forward then backwards- 15 times each)
- Shooting basketball in a hoop
- Soccer ball dribble through a obstacles course
- Balancing a Science book on their head a given distance
- Group challenge : 1)Four man skis relay, 2) students Linked back to back carrying a large Exercise ball a given distance or 3) a build an item using given items

### Examples of Individual Academic Challenge

- Rank in order 5 minerals by hardness classification
- Testing ph level of water sample
- Make a light bulb work with a wire, battery and light bulb
- Float a combination of money on aluminum foil
- Given a map identify a location given the coordinates
- Identify a bone in the human body
- Define a problem to an experiment given a procedure
- Group challenge - current science news related to the five content areas OR build a group project.