

## Schedule of Events

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8:00	Registration Begins
8:30	Welcome
8:45	Individual Round
9:30	Team Assignments - students go to assigned room
9:45	Coaching Session
12:00	Lunch (provided)
12:40	Students return to rooms
1:00	Official Competition
3:45	Snacks in Cafeteria
4:00	Awards Ceremony

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## Round Descriptions

### Individual Round

*45 minutes*

The individual round is composed of thirty problems in areas such as geometry, equations, and probability. We do not expect most of the students to complete all thirty problems; we will discuss this round during the coaching session.

### Coaching Session

*2 hours, 15 minutes*

The coaching session is, in many ways, the most important part of the IMO. The two-hour session includes the Practice Power Round, in which the coach helps the team to understand the formats and any mathematical concepts which may be new to them.

### Power Round

*45 minutes*

The Power Round introduces students to a mathematical concept or situation with which they will be unfamiliar, but at a level consistent with what they have already learned. The students work together on several questions, each of whose answers builds on those preceding. The first set of questions deal with numerical examples and are relatively easy to solve. The next few questions gradually generalize the idea and require the students to draw conclusions from their observations. What most distinguishes the Power Round from the other parts of the contest is that the students must justify their answers in a free-response/proof format. A correct numerical answer given without any derivation is never sufficient on the Power Round.

The Practice Power Round is administered during the coaching session. The coaches help the students to understand how to fully justify the conclusions that they have reached.

**Team Round***30 minutes*

The Team Round consists of ten problems on which the students are free to work together. Teamwork is as important as problem-solving aptitude; successful teams are those that are able to use each member effectively.

**Guts Round***30 minutes*

The Guts Round is an exciting team event with many questions on an assortment of subjects. The problems are of varying difficulty and point values.

**Orienteering Round***45 minutes*

The Orienteering Round is a unique format that the Jefferson Math Team has designed. Problems are located in various rooms of the school building, and each team must follow a certain route to find all eight problems. Each team is provided a map of the school and a starting location, and the answer to each problem yields the room number of the next. Proper supervision is provided by coaches and monitors in each room and in the halls.