

International Hope Cup Mathematics Invitational

Global Peak Challenge

2023.8.15- 2023.8.17, Macau

1. What is the Global Peak Challenge?

The Global Peak Challenge is the final competition of the International Hope Cup Mathematics Invitational, which is a team-based event. The most outstanding students from around the world join forces to compete. We aim not only to recognize students' efforts in mathematics, but also to encourage teamwork and collaboration among them.

2. Who is organizing this event?

Hosted by: International Hope Cup Mathematic Invitational Organizing Committee The Global Peak Challenge 2023 will be held in Macau from August 15 to August 17. This year's event is organized by the Asia International Mathematical Research Association.

- 3. Rules
 - 3.1 Grouping

Teams are formed according to grade or age, with six members per team. Younger students may participate in higher-level competitions, but older students are not allowed to participate in lower-level competitions. The following are the grouping requirements.

IHC4 (grades 3-4 or U10) IHC6 (grades 5-6 or U12) IHC8 (grades 7-8 or U14) IHC10 (grades 9-10 or U16)

3.2 Competition system

The Global Peak Challenge consists of three rounds: Individual Thinking, Team Speed, Team Thinking.

3.2.1 Individual Thinking Round

10 questions, 10 points each, a total of 100 points. Time limit: 30 minutes. Discussion is not allowed. Each contestant answers the questions

independantly and submits an answer sheet.

3.2.2 Team Speed Rounds

12 questions, divided into two rounds, 6 questions per round, 10 points each, a total of 120 points.

Time limit: 10 minutes per round, 20 minutes in total for 2 rounds. Discussion is allowed. Each team answers the questions together and submits one answer sheet. 3.2.3 Team Thinking Round

10 questions, 10 points each, a total of 100 points. Time limit: 45 minutes.

Discussion is allowed. Each team answers the questions together and submits one answer sheet.

4. Awards

Individual awards are based on each contestant's score of the Individual Thinking Round, and prizes are awarded separately for different groups.

Team awards are based on the total score of the team, and prizes are awarded separately for different groups.

Team total score = average score of Individual Thinking Round + score of Team Speed Round + score of Team Thinking Round

4.1 Individual Awards

20% of the contestants will receive Gold Individual Awards, with medals and certificates. 30% of the contestants will receive Silver Individual Awards, with medals and certificates.

40% of the contestants will receive Bronze Individual Awards, with medals and certificates.

All contestants will receive a participating certificates.

4.2 Team Awards

Each level will have a first place team, second place team, and third place team, with each team member receiving a trophy and certicicate. In addition, 30% of teams will receive a Gold Team Award, and 70% of teams will receive a Silver Team Award, along with the corresponding medals and certificates.

5. Competition Schedule

Date	Time(GMT+8)	Venue	Events
8.15	14:00-18:00	Hotel	Arrival by shuttle bus, registration, check-in
	18:00-20:00		Dinner
8.16	7:00-8:15	Hotel	Breakfast
	8:15-9:00		Shuttle bus to competition venue
	9:00-9:30	University	Participates take seats and exam rules are
			announced
	9:30-12:00		Global Peak Challenge
	12:00-13:00		Lunch
	13:00-14:00		Campus Tour
	14:00-15:30		Mathematics Lecture
	15:30-19:15		Sightseeing
	19:15-20:00		Shuttle bus to hotel
	20:00-22:00	Hotel	Dinner
8.17	7:00-8:15	Hotel	Breakfast
	8:15-9:00		Shuttle bus to conference venue
	9:00-9:30	University	Take seats

	9:30-11:15		Award Ceremony
	11:15-12:00		Shuttle bus to hotel
	12:00-13:00	Hotel	Lunch
	13:00-13:30	Hotel	Check out, dismissal

6. Fees

6.1 Registration Fee

Only contestants need to pay registration fee, which is 75 USD per person.

6.2 Local travel expenses

Each participant is required to pay for their local travel expenses, which include airport transfers, 3 days 2 nights' accommodation in a double room, meals, transportation by coach, and local sightseeing activities. The cost per person is US\$525. For each complete team of 6 contestants, the organizing committee will cover the local travel expenses for one accompanying teacher (coach) as a token of appreciation for their responsibilities and work during the event.

6.3 Additional Fees

The local travel expenses are calculated based on double occupancy. If a coach or team leader requests a single occupancy room, an additional fee of US\$200 per person will be charged.

7. Registration deadline

Registration deadline is June 15th. Please contact the organizing committee if you need an invitation letter for visa application or other matters. August is the peak season for tourism, please make arrangements to purchase flight tickets in advance. If you plan to stay longer in Macau and need assistance with arranging additional sightseeing activities, please communicate separately with the organizing committee who can assist in contacting a local travel agency.

-- The organizer reserves the right to modify and interpret this chapter. --