



Singapore International Math Olympiad Challenge

July 6th – 9th 2019, SINGAPORE

CONTEST & PACKAGE INFORMATION

Table of Contents

.1	GENERAL INFORMATION	4
ABOUT SIMOC		4
OBJECTIVE		4
CONTEST FORMAT AND REQUIREMENTS		5
SIMOC		5
MATH OLYMPIAD CONTEST		5
SYLLABUS (DIFFICULTY LEVEL – MEDIUM)		6
GRADE 2-4 (PRIMARY 2-4)		6
GRADE 5-6 (PRIMARY 5-6)		6
MATH WARRIORS.....		7
MIND SPORTS		7
2.	RESULTS AND AWARDS	8
3.	IMPORTANT DATES	9
4.	REGISTRATION AND PACKAGE.....	10
PACKAGE ITINERARY		11
5.	TRAVEL INFORMATION	12
TRAVEL PACKING CHECKLIST		12
ADDITIONAL TRAVEL PACKING CHECKLIST FOR STUDENTS PARTICIPATING IN THE COMPETITION		12
CURRENCY		13
ADAPTOR.....		14
WEATHER DURING JULY		14
THINK SAFETY AT ALL TIMES (GENERAL)		15
USE OF MOBILE PHONE.....		15
EMBARKATION AND DISEMBARKATION PROCEDURES		16
GUIDELINES ON HAND-CARRY LUGGAGE		16
6.	ARRIVAL DAY.....	17
AIRPORT PICKUP PROCEDURES		17
AIRPORT PICKUP PROCEDURES		18
HOTELS		19
HOTEL CARLTON		19
HOTEL OASIA		19
HOTEL BOSS		20
YOTEL SINGAPORE		20
DAYS HOTEL SINGAPORE		21

ROOM KEY COLLECTION AND REGISTRATION FOR CONTEST	21
MEALS	22
COMPETITION DAY	23
PRIZE GIVING CEREMONY	24

1. GENERAL INFORMATION

ABOUT SIMOC

Singapore International Math Olympiad Challenge (SIMOC) is the brainchild of Singapore International Math Contests Centre. After organizing Singapore and Asian Schools Math Olympiad (SASMO) for a decade and attending various international math contests, along with the experience of running Maths Warriors and Mind Sports contests in Singapore for more than 16 years, SIMCC decided to incorporate these into a new international contest that would let students experience the thrill of math games along with the challenge of solving puzzles.

The first SIMOC was held in Singapore on August 12, 2015. Thirteen countries attended along with 414 participants and over 350 parents and teachers.

OBJECTIVE

- Encourage creative thinking and build their problem-solving skills.
- Develop their ability to enjoy mathematics and apply them in real life
- Promote a culture of mutual understanding and learning from each other
- Boost their confidence in comprehending and solving complex problems.

CONTEST FORMAT AND REQUIREMENTS

SIMOC

Singapore International Math Olympiad Challenge (SIMOC) is a unique concept of mathematics competition which not only tests your ability to solve mathematical problems on pen and paper but also tests your ability to work as a team to play interactive mathematical games and solve puzzles. SIMOC gives you an opportunity to compete with top mathematical talents from around the world and learn from each other as a team. Individual and team recognition awards are up for grabs.

To qualify for SIMOC competition, the candidates need to get Gold, Silver or Bronze award from either SASMO 2019 or AMO 2018.

SIMOC consists of three categories:

- *Math Olympiad Contest for grades 2 to 11 (Primary 2 to Secondary 4)*
- *Maths Warriors Competition (team based) in 3 divisions*
- *Mind Sports Challenge (team based) in 3 divisions*

MATH OLYMPIAD CONTEST

MATH OLYMPIAD CONTEST is an individual written test. The contest consists of 9 differentiated levels: Grade 2 to 11 (Primary 2 to Secondary 4).

The duration of the contest is 90 minutes and every paper consist of 25 questions

Section **A** – 15 Multiple Choice Questions

(2 points for correct answer, 0 points for unanswered question, penalty point (deduct 1 point) for wrong answer)

Section **B** – 10 Open-ended Questions

(4 points for correct answer, no penalty point for wrong answer)

Section	Questions	Correct Answers	Wrong Answers	No Answer
A	1 to 15	+2 points	-1 point	0 point
B	16 to 25	+4 points	0 point	0 point

SYLLABUS (DIFFICULTY LEVEL – MEDIUM)

SIMOC reserves the rights to change the syllabus without any prior notice.

GRADE 2-4 (PRIMARY 2-4)

Arithmetic and Statistics

Geometry and Mensuration

Solving word problems using model method (or any other non-algebraic methods)

Non-routine problem solving (including number patterns, divisibility tests, spatial visualisation, logic problems and simple cryptarithms)

GRADE 5-6 (PRIMARY 5-6)

Arithmetic and Statistics

Geometry and Mensuration

Solving word problems using model method (or any other methods including algebra)

Non-routine problem solving (including number patterns, divisibility tests, spatial visualisation, logic problems and cryptarithms)

GRADE 7 (SECONDARY 1)

Arithmetic and Algebra

Geometry, Graphs and Mensuration

Statistics

Non-routine problem solving (including number patterns, divisibility tests, spatial visualisation, logic problems and cryptarithms)

GRADE 8 (SECONDARY 2)

Arithmetic and Algebra

Geometry, Graphs and Mensuration

Pythagoras' Theorem

Statistics

Non-routine problem solving (including number patterns, divisibility tests, spatial visualisation, logic problems and cryptarithms)

GRADE 9-11 (SECONDARY 3-4)

Arithmetic and Algebra

Geometry, Graphs and Mensuration

Pythagoras' Theorem and Trigonometry

Statistics and Probability

Non-routine problem solving (including number patterns, divisibility tests, spatial visualisation, logic problems and cryptarithms)



MATH WARRIORS

WHAT IS MATHS WARRIORS?

Math Warriors is a game that tests student's ability to do mental sums as well as strategic thinking. There is also an element of luck involved which makes the game even more exciting.

HISTORY

It was designed in 2002 by Henry Ong, the Founder of SASMO to help students weak in math to develop faster mental sums skills and master the Times Table. It is used by many Singapore Primary schools to improve mental math processing, strategy and thinking skills. The first National Primary Schools Maths Warriors' Challenge started in 2004 and was hosted by Nan Hua Secondary School. It was introduced as an event in the inaugural Singapore International Math Olympiad Challenge last year and was very received.

HOW TO PLAY MATH WARRIORS?

[Maths Warriors Rules](#) (press link)

Video Tutorial:

[Video explaining the rules](#)

FORMING TEAMS

At SIMOC 2016, the students will be grouped into a team of 3 and placed into their division by SIMOC organizers. Each team will be comprised of a member from a different country and as much as possible a different grade within the same division.

Each student will join 2 partners from different grades and countries to compete in one of 3 divisions:

Lower Division(Grade 2 to 4),

Middle Division (Grade 5 to 7)

Upper Division (Grade 8 to 11)

MIND SPORTS

WHAT IS MIND SPORTS CHALLENGE?

This is a one-hour activity where each team (same team as Maths Warriors), will be given 8 hands-on puzzles to solve.

2. RESULTS AND AWARDS

Parents can check the results for the contests on the website and CMS mobile application (with statistical report).

Country partners will be notified via email:

- 8th July 2019, 9am.

The following awards will be given out for the contests:

Individual award

Awards	
Perfect Score	Full marks
Gold Award	Top 10%
Silver Award	Next 15%
Bronze Award	Next 25%
Honorable Mention	Next 20%
Certificate of Participation	Next 30%

Math Warriors

Awards	
Gold Award	1 team awarded
Silver Award	3 teams awarded
Bronze Award	4 teams awarded
Honorable Mention	8 teams awarded

Mind Sports

Awards	
Gold Award	1 team awarded
Silver Award	3 teams awarded
Bronze Award	4 teams awarded
Honorable Mention	8 teams awarded

All the participants will receive a certificate. The Perfect score and top 50% of the participants will receive an award certificate and a medal.

3. IMPORTANT DATES

Events for Country partners	Date
Online/Country Registration opens	3 rd May 2019
Update SIMCC the student take-up rate	23 rd May 2019
Re-allocate unused places to other countries	24 th May 2019
Online/Country Registration closes	1 st June 2019
Submission of student and guest details (Template will be provided)	15 th June 2019
Registration of free workshops	1 st July 2019

For those countries/guests who arrive early or not within the pickup time, it is subjected to SIMCC approval to arrange for transportation. As a guide, groups of less than 10 outside the stipulated times have to make their way to the hotel at their own costs.

4. REGISTRATION AND PACKAGE (for INDIA)

Hotels	Type of guests	Fee (per person)
Hotel Boss/ Days Hotel	Students participating in the contest	SGD598 (Contest Fee, Package + Award ceremony)
	Guests	SGD452.40 (Package + Award ceremony)

Package inclusive of accommodation, breakfast, contest fee (Students participating in the contest) and Award ceremony.

- SIMCC has the right to close the registration period once all the places are filled and this will be announced via email.
- Please refer to below or the SIMOC brochure for the detailed itinerary.

PACKAGE ITINERARY

Day 1 – 6th July 2019, Saturday

Arrival to Singapore

Free workshops

- Session 1: (1pm to 3pm)
 - Computation thinking workshop (30pax)
 - Science workshop (30pax)
 - Teacher workshop (30pax)
- Venue: workshops will be held in 2-3 separate hotels
- Registration: First-come-first-serve basis
- Target: All students
- How to register: Invite to register from our website

Day 2 – 7th July 2019, Sunday

Competition day

- 9:00 am to 5 pm – SIMOC competition
- 5 to 5:30 pm – Photo taking session
- 5:30 pm – Dismissal back to hotels (Overseas students)

Day 3 – 8th July 2019, Monday

Free learning journey (30pax)

- Registration: First-come-first-serve basis
- Maximum 4 students per country (From 8am to 1pm)
- Visit A-Star Agency and National University of Singapore (School of Computing) – subject to changes
- SIMOC Award ceremony
 - Venue: Star Theatre at Star Vista

Day 4 – 9th July 2019, Tuesday

Depart to shop at Singapore Changi Airport (Jewel Mall)

Please be punctual throughout the trip

5. TRAVEL INFORMATION

TRAVEL PACKING CHECKLIST

- Every guest can only bring along 1 medium size luggage (25 inches) and 1 hand-carry bag as required by the coach. For children, they are encouraged to bring a 20 inches luggage size.
- Passport (Valid over 6 months) and Singapore Visa (outside ASEAN countries)
- Travel Insurance (*Having travel insurance will give you peace of mind for any medical emergencies in Singapore*)
- Swimming Suit (optional)
- Sunscreen
- Mosquito Repellent
- Luggage Name Tag
- Comfortable walking shoes
- Multiplug Universal Adapter

ADDITIONAL TRAVEL PACKING CHECKLIST FOR STUDENTS PARTICIPATING IN THE COMPETITION

- Picture identity card (photocopy version is acceptable) as the invigilator will check before you can participate in the contest.
- 2B pencil
- Eraser
- *No calculator is allowed for all grades.*

CURRENCY



- Singapore Dollars (1USD ~ 1.36 Singapore Dollar – Subject to change)
- There are many money changers in the shopping mall and most of them will be able to give you the fair exchange rate.
- Singapore is a smart city and hence you can use credit card in most of the shopping mall. However, you need to have some Singapore Dollars so that you can buy food outside the mall.

ADAPTOR



- In **Singapore** the **power plugs** and sockets are of type G. The standard **voltage** is 230 V and the standard frequency is 50 Hz.

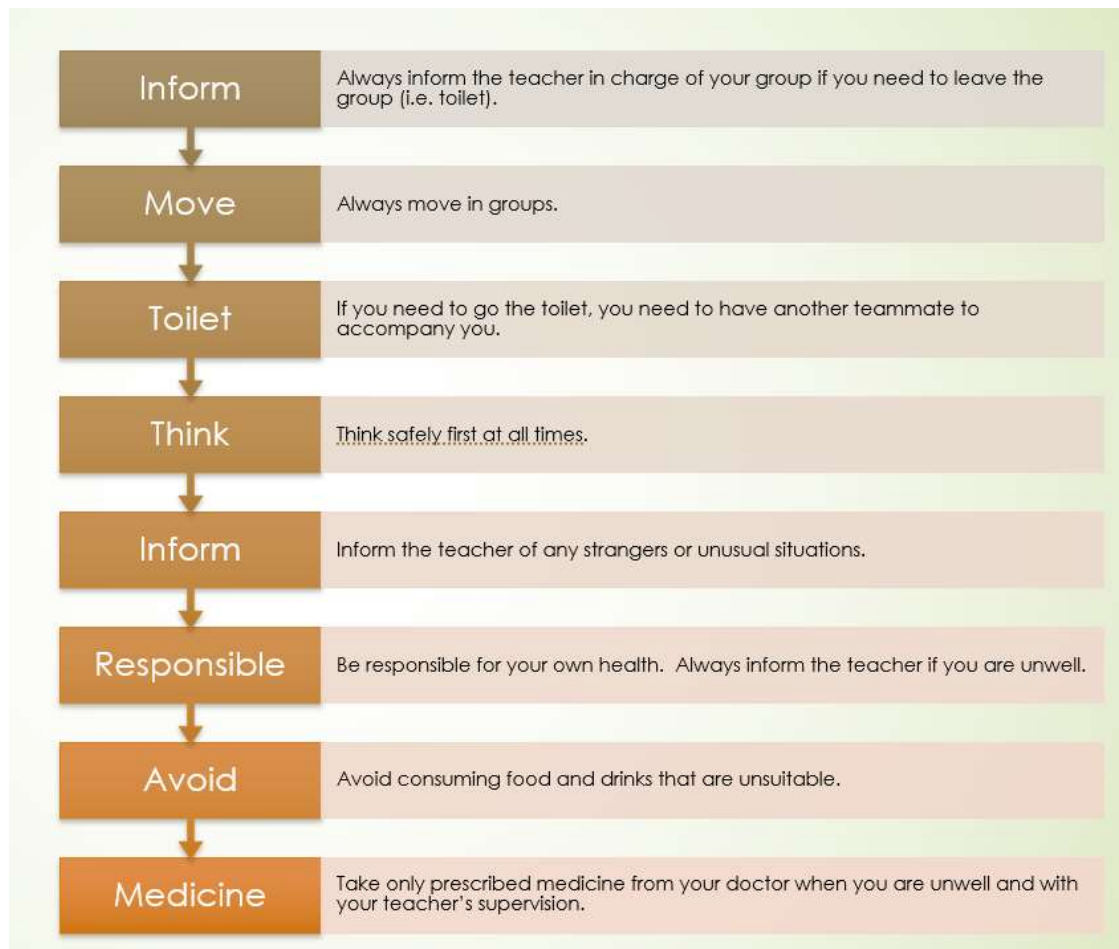
WEATHER DURING JULY



SUN 6/30 30° / 26° A couple of showers Hist. Avg. 31°/24°	MON 7/1 31° / 25° Mostly cloudy Hist. Avg. 31°/24°	TUE 7/2 31° / 26° Mostly sunny Hist. Avg. 31°/24°	WED 7/3 31° / 25° Mostly cloudy, a thunderstorm Hist. Avg. 31°/24°	THU 7/4 31° / 25° Sun and some clouds Hist. Avg. 31°/24°	FRI 7/5 30° / 25° A shower and 1-storm around Hist. Avg. 31°/24°	SAT 7/6 31° / 26° A couple of morning showers Hist. Avg. 31°/24°
SUN 7/7 30° / 26° Some sun, a couple of showers Hist. Avg. 31°/24°	MON 7/8 31° / 27° A couple of morning showers Hist. Avg. 31°/24°	TUE 7/9 31° / 27° Times of clouds and sun Hist. Avg. 31°/24°	WED 7/10 31° / 26° Clouds and sunshine Hist. Avg. 31°/24°	THU 7/11 31° / 27° Partly sunny Hist. Avg. 31°/24°	FRI 7/12 31° / 27° Mostly sunny Hist. Avg. 31°/24°	SAT 7/13 31° / 26° Clouds and sun Hist. Avg. 31°/24°

- Considerable cloudiness, a couple of showers. *You are advised to carry a raincoat and foldable umbrella.*
- The students and parents are advised to bring along a jacket if you are participating in any workshop (the auditorium or conference can be quite cold)

THINK SAFETY AT ALL TIMES (GENERAL)



USE OF MOBILE PHONE



- During contest, students are allowed to bring their phones but they have to be kept inside the bag at all the times.
- Be aware of the costs involved – **switch off DATAPLAN.**
- Discouraged from bringing other electronic devices (Ipads or games)

EMBARKATION AND DISEMBARKATION PROCEDURES

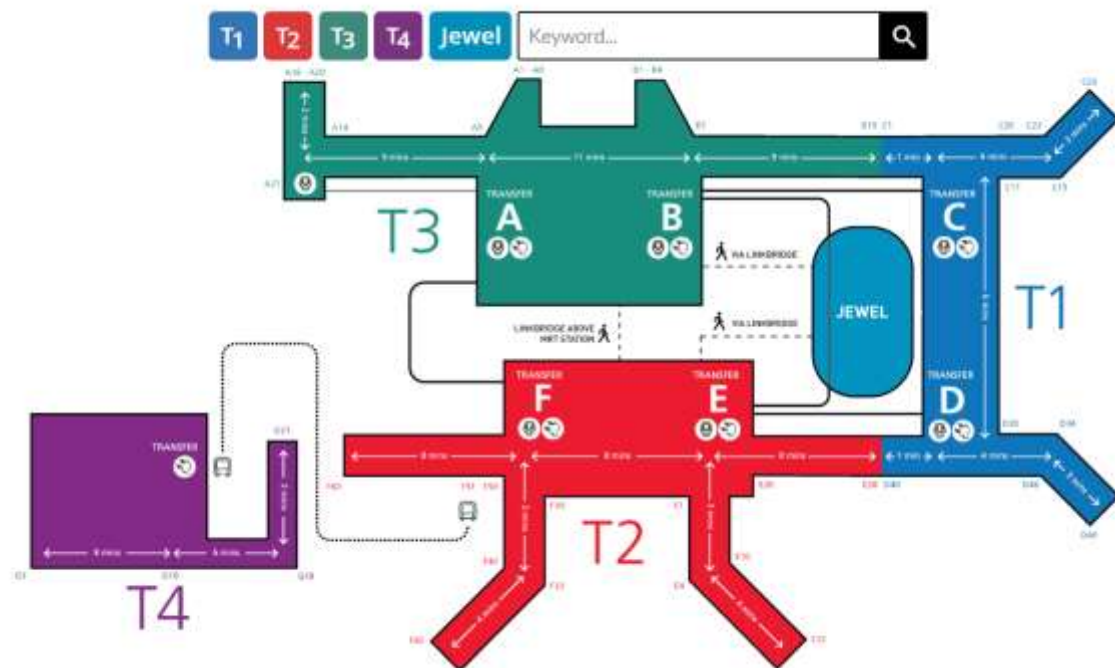
GUIDELINES ON HAND-CARRY LUGGAGE



- Liquids, Aerosols and Gels must be in containers with maximum capacity of 100ml.
- Containers must be placed in 1-litre transparent re-sealable plastic bag.
- One re-sealable plastic bag allowed per person.
- The re-sealable plastic bag must be presented separately at the security screening point.
- Exemptions made for medications and special dietary items.
- No sharp items, Aerosols and Gels in your hand luggage / haversack bag. Please keep it into your checked-in luggage.
- **Sharp items**
 - Example: Scissors / cutter / nails cutter / sharp ruler / pen knife / swiss knife etc.
- **Liquids, Aerosols and Gels**
 - Example: Water, creams, lotions and oils, toothpaste, hair and shower gels, perfumes and deodorants, shaving foam and hairspray, contact lens solution, etc.

6. ARRIVAL DAY

AIRPORT PICKUP PROCEDURES



- Arrival at Singapore Changi Airport, cleared customs and collected your luggage, exit to arrival hall.
- Look for SIMOC 2019 standee or our staff holding the signboard.
- Our SIMOC crew wearing SIMOC T-shirt with Mr Henry Ong or Mr Merlan will bring you to the coach bay.
- The details on the pickup procedure will be announced later after we have received the flight details.

AIRPORT PICKUP PROCEDURES



- Your pick-up time is 1 to 1.5 hours after your scheduled arrival time.
- The buses are scheduled to pick up the guests every hour starting from 9am till 8pm.
- For example,
 - If you arrive at airport 1020am, please head to exit immediately before 1045am. You should be able to take the 11am coach.
- Hence, please refrain from shopping at the airport and be at the meeting point on time. (Singapore Changi Airport is a shopping paradise, we will arrange for the guests to go shopping at Jewel during the departure)
- Please note that there is no pick up service for those who did not submit the flight details by deadline states in Important Dates section.
- Pick-up hours from the airport to the hotels:
 - From 8am to 7pm.
- Please bring all your personal belongings whenever you leave the bus. The travel agency or SIMCC staff will not be responsible for any belongings left or lost on the bus.

For those guests who are late for the coach without a valid reason, they can take the next coach or the last coach if there is seat available. Otherwise, they will have to take a cab themselves to the hotel.

HOTELS

HOTEL CARLTON



- Address: 76 Bras Basah Road, Orchard, Singapore, Singapore, 189558
- Telephone: +65 6338 8333
- Check-in time: 2pm onwards

HOTEL OASIA



- Address: 8 Sinaran Dr, Singapore 307470
- Telephone: [+65 66640333](tel:+6566640333)
- Check-in time: 2pm onwards

HOTEL BOSS



- Address: 500 Jln Sultan, #01-01, Singapore 199020
- Telephone: [+65 6809 0000](tel:+6568090000)
- Check-in time: 2pm onwards

YOTEL SINGAPORE



- Address: 366 Orchard Rd, Singapore 238904
- Telephone: [+65 68668000](tel:+6568668000)
- Check-in time: 2pm onwards

DAYS HOTEL SINGAPORE



- Address: 1 Jln Rajah, Singapore 329133
- Telephone: [+65 6808 6868](tel:+6568086868)
- Check-in time: 2pm onwards

ROOM KEY COLLECTION AND REGISTRATION FOR CONTEST

- Guests will need to collect the room key in the hotel before proceeds to register for the contest.
- Students will collect the following items during registration:
 - Competition pass and lanyard
 - SIMOC T-shirt
 - SIMOC goodies bag

Note:

The actual location of each hotel to collect key and registration will be briefed later after Online/Registration closed.

Please collect your room key and contest related items from the hotel concierge if the guests arrive late.

MEALS



DAYS Hotel



YOTEL HOTEL



CARLTON HOTEL ORCHARD



OASIA HOTEL



BOSS HOTEL

- Daily breakfasts in the hotel

Only Halal and Vegetarian food will be provided to those who requested during registration. Please be responsible for other special dietary needs and allergies.

COMPETITION DAY



Venue: GEMS World Academy Singapore

Attire: SIMOC T-shirt and Competition Tag which will be distributed during hotel check-in.

Things to bring: 2B lead pencil and an eraser. Writing materials will not be provided.

Accompanying guests are not allowed to wait in the school.

- Morning call on the competition day: 6am
- Gather for departure: 715am at the hotel lobby
- Leave hotel: 730am

PRIZE GIVING CEREMONY



Venue: The Star Theatre, Singapore

Address: 1 Vista Exchange Green, #04-01, Buona Vista, Singapore

- Gather for departure at hotel lobby: 3pm
- Leave hotel: 330pm
- Attire:
 - National (Traditional) costume for students
 - Accompanying guests are required to dress appropriately. (Smart Casual)
 - You can bring along the country flag to the event
- Things to bring
 - Students must bring along their competition tag.
 - Everyone must wear the wrist band for entrance to hall (given by the country partner during arrival).

MAIN ENTRANCE



- All the guests will enter from the Star Gallery.

DEPARTURE BACK TO HOTEL

- Please queue up at the Star Gallery
- Crew will bring you to the coach bay
- Please do not be late as the coach will start picking the guests at 10pm.