



13th Singapore National Crystal Growing Challenge

1st Announcement

We are pleased to inform you that the **13th Singapore National Crystal Growing Challenge** will be taking place next year on **26 May 2018 (Saturday)** at the **National University of Singapore**.

We invite students from secondary schools, international schools, junior colleges, ITE colleges and polytechnics in Singapore to participate in this fun and educational event. Through the mastery of the art of crystal growing, students will learn about chemistry happening around us and discover the elegant science behind this ubiquitous process.

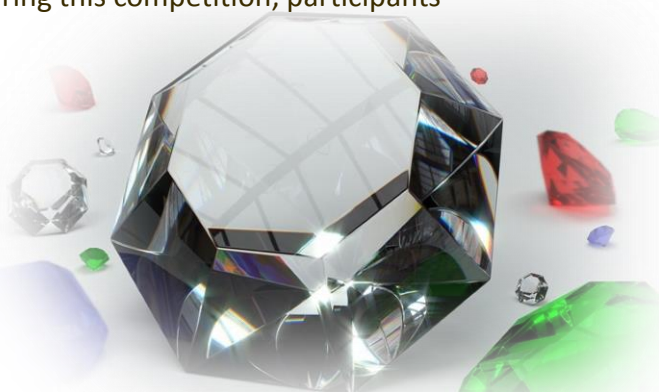
The Challenge

There will be 3 categories in this competition. They are:

- Junior Level – for secondary school students
- Senior Level – for junior college, ITE college and polytechnic students
- Open Level – for secondary, junior college, ITE college and polytechnic students

The Rules

- Each institution may submit a maximum of 2 entries for each category.
- No more than two students should be involved with each entry.
- One student is only allowed to participate in one entry.
- All crystals must be grown at their respective institutions, under the supervision of a teacher.
- Based on common scientific practices, students should record all their experiments in a logbook.
- Students and teachers are required to follow the appropriate safety procedures.
- Only the crystals grown after the 2nd Announcement will be eligible for this competition and only 2 selected crystals will be submitted to represent their institution in this challenge at each level.
- The prize-winning crystals and any other interesting crystals displayed, posters and the logbooks will be retained by the Department of Chemistry, NUS and may be used for display and advertisement purposes. By entering this competition, participants agree to abide by this policy.





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Prizes (for each category)

- The Champion: trophy, certificate, and Popular vouchers of S\$200
- 1st Runner-up: trophy, certificate, and Popular vouchers of S\$150
- 2nd Runner-up: trophy, certificate, and Popular vouchers of S\$ 100
- Most Creative Display: certificate and Popular vouchers of S\$50
- Largest Single Crystal: certificate and Popular vouchers of S\$50
- Meritorious awards: certificate

The details about the crystals to be grown will be announced in **5 January 2018**. The details will be available at: <http://www.chemistry.nus.edu.sg/events/CommunityOutreach/ncgc/announce.htm>

Display

Participants should also prepare a poster for their exhibit. The poster must be A1 in size in portrait orientation and include all the required information provided in the poster template that will be provided in due course. The poster should contain the following information:

- Name of crystal
- Name and address of participants' institution
- Photographs showing at least three different stages of crystal growth
- Experimental procedure (e.g. solvent system used during crystallization, amount of compound used, percentage yield, equation/mechanism of reaction (where applicable), etc.)
- Conclusion

Any deviations to the size and format of the poster could result in forfeiture from the competition. Participants are required to display their crystal, logbook and poster at the competition venue. Entries are to be displayed and will be judged on **26 May 2018 (Saturday)**. The prize-giving ceremony will be held on the same day.

Registration

There is a registration fee of **\$50 + 7% GST** per team entering the challenge. Cheques should be payable to "**National University of Singapore**".

The registration fees are not refundable.

Register for the event: <https://goo.gl/forms/BBkmofLEpaZar6Yn2>

*The registration will be closed by **2 Mar 2018** or when full registration is reached (whichever earlier).*

For enquiries, please email to: chemistry-outreach@nus.edu.sg