

Robogals Science Challenge

The Robogals Science Challenge is a nationwide science competition for girls, which enables participants to learn a bit more about science and engineering by conducting science projects or experiments with a friend, parent, or another mentor. Entries to the competition are submitted online in the form of videos, photos and writing in three age categories. The competition will span across four months, with the best 12 groups or individuals being awarded for their efforts at the end of the year.

The challenge submission consists of two parts: the Minor Challenges and the Major Challenge. The Minor Challenges are the initial part of the challenge, whereby participants can begin to learn about different science and engineering disciplines and have the option to participate in mini experiments. Participants are encouraged to participate in as many minor challenges as possible to help build up their skills for the final challenge. The Major Challenge is when participants can create their own experiment and produce a video to show their findings.

Girls between ages 5 to 15 can enter the competition, individually or as a team of 2, accompanied by a parent or mentor who is above the age of 18. Only entrants from Australia will be eligible for prizes.

Key Dates

1 July	The competition is launched and the first set of Minor Challenges are released
16 July	The second set of Minor Challenge projects are released
31 July	The third set of Minor Challenge projects are released
15 August	The fourth set of Minor Challenge projects are released
1 September	Video submissions for Major Challenge open
9 October	Final entry deadline, registration closes
12 October	Voting for the "Crowd Favourite" commences
25 October	Voting closes and competition closes
Nov-Dec	Finalists are announced and awarded for their efforts

Prizes

The top 3 groups in each category, plus the "Crowd Favourite", as voted online, will be awarded for their efforts. All participants will receive a certificate of participation.

Project Guidelines

The Robogals Science Challenge has no specific theme for the Major Challenge; it has been left open-ended for participants to choose any science experiment that's fun and exciting. Participants may wish to build on one of their minor challenges, or choose the engineering discipline/science area they liked best in the minor challenges and construct a new experiment.

Video Guidelines

For the Major Challenge participants will submit a video as their entry. Each video is to be submitted online and will feature a mentor and up to 2 mentees, talking about and demonstrating their project. The video should be at most 4 minutes long, and the young girl(s) should do at least 3/4 of the talking. The mentor's role is primarily to encourage their mentee to participate, and to assist with dangerous tasks (use of the stove, for example).

Further information regarding Major Challenge online submissions will be provided later in the competition.

Voting (for Crowd Favourite)

As well as having the chance to win in your division for first, second and third place, there is also an award for the Crowd Favourite in each age division. The voting begins on 12th of October and closes on the 25th of October, when the competition concludes. The voting is open to the general public as well as those participating.

Judging

To determine the winners for each age group, the videos submitted for the Major Challenge will be judged by our esteemed panel of judges.

Registration

The Robogals Science Challenge is open to all girls from the ages of 5 to 15 in Australia and is free of charge to enter. Registration opens mid-July and closes 9th October – approximately two weeks before the competition concludes. To register now click [here](#).

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Age Categories

For the Major Challenge, the competition is divided into three age groups and entries are judged according to that level:

Junior	Intermediate	Senior
5 - 8yrs	9 - 12yrs	13 - 15yrs

Minor Challenges

Every fortnight, beginning 1st of July, we will release nine projects for you to choose from; each from two different disciplines of Engineering and one area of science. Over the time frame of the Minor Challenge you are able to experiment with the project and submit what you have learnt to us. The projects are divided into three levels of difficulty ranging from junior to senior and can be attempted by any participant no matter which age category you fit into. The minor challenges are seen as an optional part to the competition though we do encourage you to have a go in order to learn something new.

After completing your experiment, you will submit photos, drawing or images of what you have learnt, as well as write a small description of what you did to accompany it.

Participants' entries will then be collected and displayed on the official Robogals Science Challenge Facebook Page: www.facebook.com/RobogalsScienceChallenge.

Major Challenge

The Major Challenge makes up the part of the competition that is submitted for judging. In this section participants use their creativity and knowledge of science to create and conduct an experiment or project of their choice. The project may be build on from an experiment participants may have enjoyed from the Minor Challenges or can be something completely different. In creating the experiment, participants must create a video to show what they have

done in their project and the results they conclude. This video will be submitted online to be voted on by my peers as well as our panel of judges.

For all questions relating to the Robogals Science Challenge contact: Suhashi Wickramasinghe

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If you're interested in participating make sure you [register](#) to receive all competition information and each set of Minor Challenge projects!

Kind Regards,

The Science Challenge Team