



# Maths Modelling Challenge: Years 7 - 12

## Rules

- The Challenge runs from 19th July - 6th August.
- In small groups work through the real-world scenario. (2-3 people maximum)
- You can utilise online data sources and useful links provided in MIE Events Student Handout.
- If you get stuck, your teacher can provide guidance as provided in MIE Events Teacher Handout.
- Present maths model using PowerPoint. Maximum of 2 slides. No longer than 5 minutes.
- You can voice over slides, animate and insert your own drawings and designs.
- **All team entries can be submitted for judging.**
- Winners and judges feedback provided in National Science Week. Judges decision is final.

## What the judges are looking for

- Clear definition and understanding of the problem.
- Creative translation of the problem into a model.
- Good utilisation and justification of mathematics.
- Practical analyses and reasonable results.
- Great presentation of material.
- Creative and original thought.



## How to submit

Submit by Friday, 6 August 4pm

Entry can be submitted via email or Cloudstor:

- email entry to [MIEvents@usc.edu.au](mailto:MIEvents@usc.edu.au)
- Cloudstor upload if large file (refer over page for steps on using Cloudstor)
- entries to be .ppt or .mp4 format only
- USC Consent Release Form to be completed for student/s whose audio or image is used in entry. Completed form to be returned with school entry
- please include School name, Team name and/or student names, teacher contact name and email when submitting entry.



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## How to Submit - Cloudstor Voucher Link

To allow for transfer of large files you can utilise USC's Cloudstor account provided through Aarnet.edu.au. It is a secure platform for sharing files and your uploaded files will only be accessible to the USC STEM team.

Please upload:

- school submissions
- completed USC consent release forms (if required)

### Step 1

An email will be sent to your School's contact for the 2020 Maths Modelling Challenge.

The email will be from "Cloudstor FileSender: USC STEM Maths Modelling Challenge - submission link". Issuer: Deborah Kelsey, MIE Events Coordinator team (dkelsey@usc.edu.au).

This email provides a "voucher link" that allows you to upload files.

### Step 2

To upload your entry:

- Click on "Voucher Link", the filesender screen will appear.
- Click on "Select Files" and select file. Once selected you will see it listed at top of screen (*nb: you can upload more than one file i.e. USC Consent Release forms if required*)
- [Email to: MIEevents@usc.edu.au](mailto:MIEevents@usc.edu.au)
- In message area please note: School name, Team name and/or student names, teacher contact name and email.
- Click on "Send"
- Upload will start. It may take a few minutes dependent on file size.
- You will receive a "Success - Upload Complete" message. Click on "close". You will also receive an email notifying you of your completed upload.
- Your School's entry to MIE Events 2021 Maths Modelling challenge is complete.

