

# Mousetrap Vehicle

Division C

[http://api-static.ctlglobalsolutions.com/science/SO\\_C\\_2018FINAL.pdf](http://api-static.ctlglobalsolutions.com/science/SO_C_2018FINAL.pdf)

# Resources to consider

- [www.soinc.org](http://www.soinc.org)
  - [www.soinc.org/sites/default/files/uploaded\\_files/Mousetrap%20Vehicle%20v3.pps](http://www.soinc.org/sites/default/files/uploaded_files/Mousetrap%20Vehicle%20v3.pps)
- [www.miscioly.org](http://www.miscioly.org)



- Buy your own mousetrap vehicle on Amazon.com! Fast, free shipping with Prime!

# Vehicle Design Principles

- [www.instructables.com/id/Mouse-Trap-car/](http://www.instructables.com/id/Mouse-Trap-car/)
- <http://ideas-inspire.com/mousetrap-cars/>
- [www.wikihow.com/Adapt-a-Mousetrap-Car-for-Distance](http://www.wikihow.com/Adapt-a-Mousetrap-Car-for-Distance)
- Buy your own mousetrap vehicle on Amazon.com! Fast, free shipping with Prime!

# Reversing the direction automatically

- <https://www.bing.com/videos/search?q=reversible+Mousetrap&&view=detail&mid=C1A04F5F0757D0FC1161C1A04F5F0757D0FC1161&FORM=VRDGAR>
- <https://www.bing.com/videos/search?q=reversible+Mousetrap&&view=detail&mid=8F2EEBF502C7E9871F378F2EEBF502C7E9871F37&FORM=VRDGAR>
- <https://www.bing.com/videos/search?q=how+do+i+make+my+Mousetrap+car+go+forward+and+backward&&view=detail&mid=287F3E6EAF370224287F3E6EAF370224&FORM=VRDGAR>

# The day of the event

- Track

- [www.soinc.org/sites/default/files/uploaded\\_files/MousetrapVehicle2018TrackV2.pdf](http://www.soinc.org/sites/default/files/uploaded_files/MousetrapVehicle2018TrackV2.pdf)

- Impound

- [https://www.soinc.org/sites/default/files/uploaded\\_files/MousetrapVehicleC2018TeamChecklistv1.pdf](https://www.soinc.org/sites/default/files/uploaded_files/MousetrapVehicleC2018TeamChecklistv1.pdf)

# How should I prepare my team?

- Read the rules
  - When you are done, read them again!
- Build it now!
  - Don't wait, you may go through multiple iterations
  - Don't skimp on "critical" materials
- Know how to score and track your vehicle's performance
  - Score each practice run using the scoring formula

# Questions?

