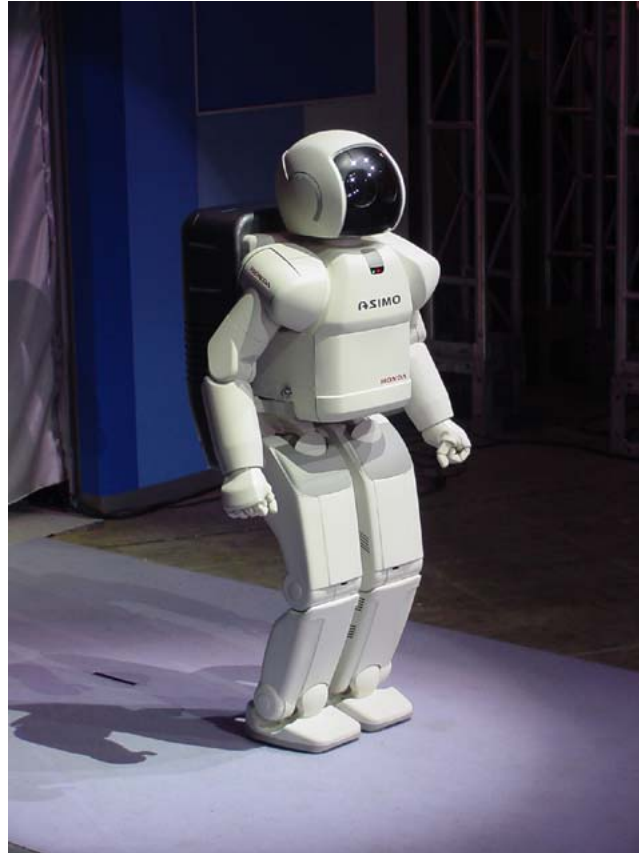


“Robot Sprint Project”



Headstart 2003

Challenge

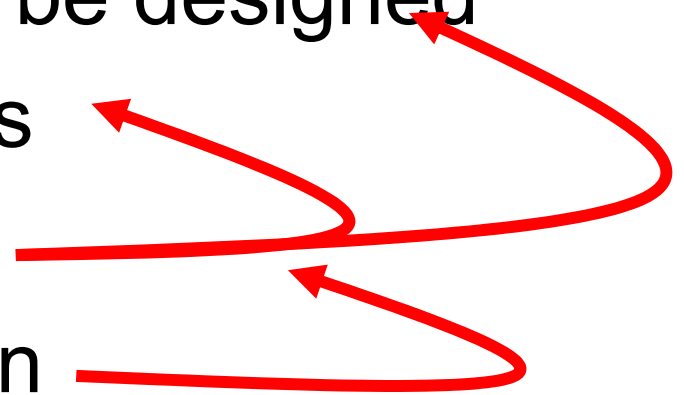
- Design
 - Build
 - Test
-
- Practical
 - Teams
 - FUN!

Design/Build Process

- What needs to be designed
- Ideas/Concepts
- Assessment
- Detailed Design
- Manufacture
- Trials

Design/Build Process

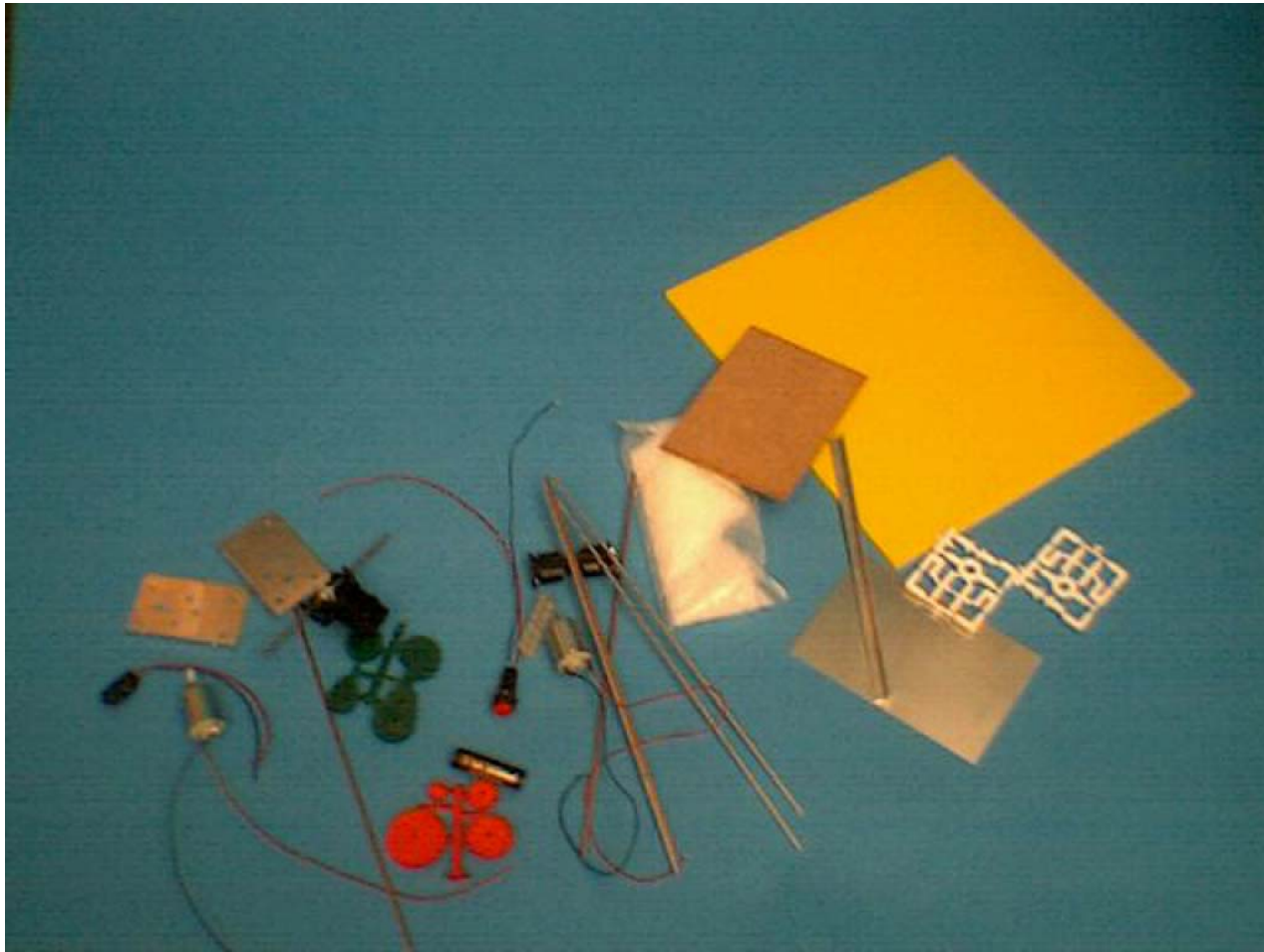
- What needs to be designed
- Ideas/Concepts
- Assessment
- Detailed Design
- Manufacture
- Trials



What Is Required?

- “Walking Robot”
- Move 2.4m (Track 0.4m Wide)
- As Fast As Possible

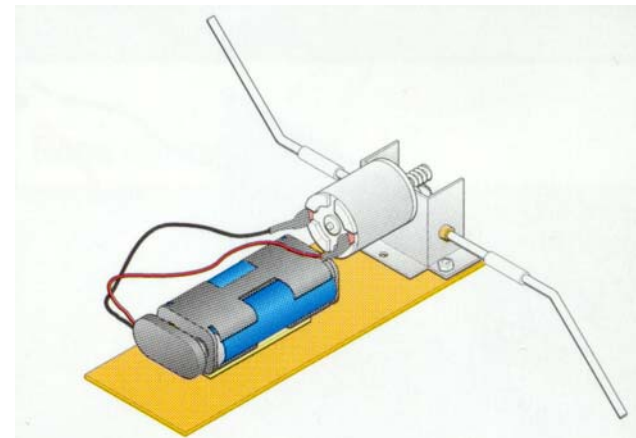
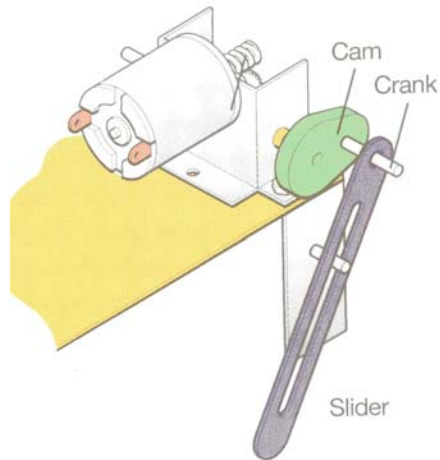
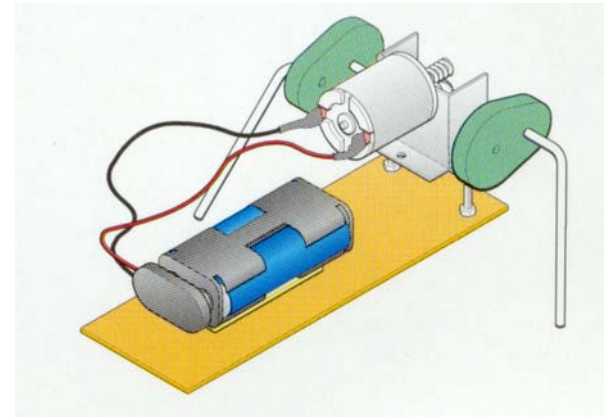
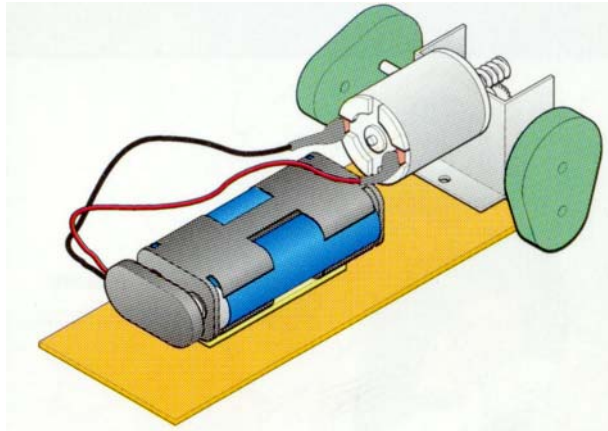
Construction Kit



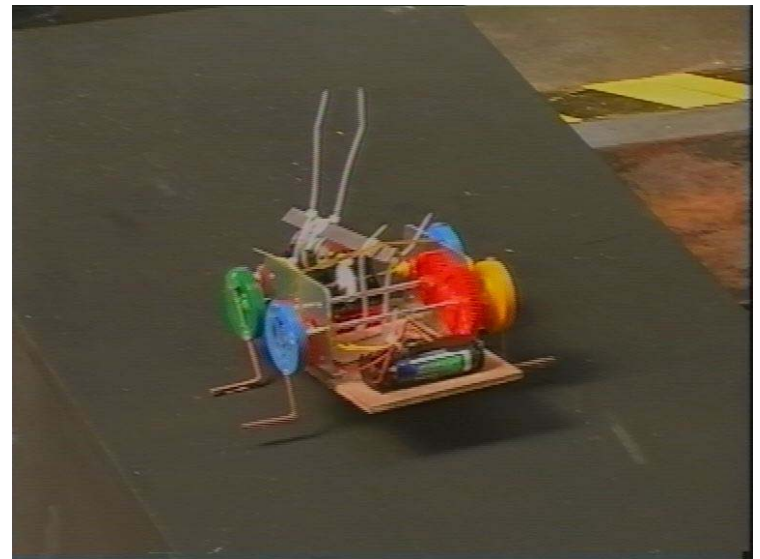
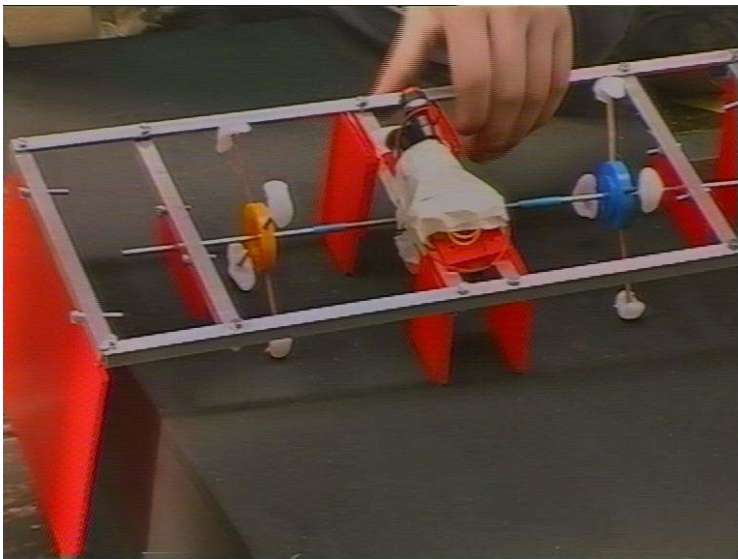
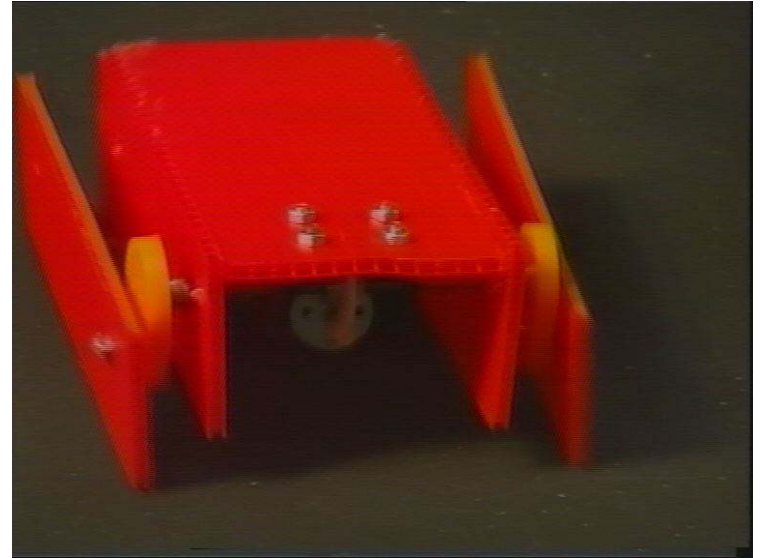
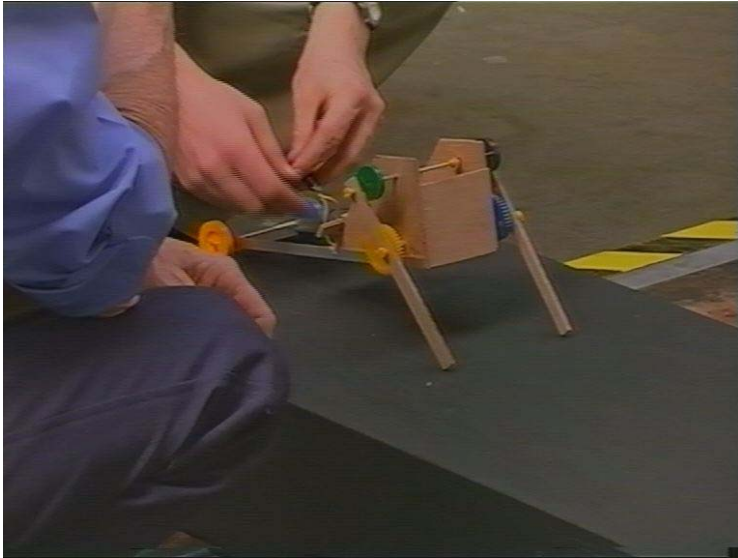
Kit Components

- Two Motors, Batteries, Switch etc
- Various Cams, Gears
- Construction materials Corriflute, Wood, Al
- Fixings, Glue, Screws, Nuts etc
- Hand Tools
- Workshop tools
- Extra Items!!!

Possible Drive Systems



Embodiments



Timetable

Tuesday 24th June

- Lecture
- Workshop Orientation
- Conceptual Design
 - 3.30 grps 1-6 to Jesus
 - 4.30 grps 7-12 to Jesus

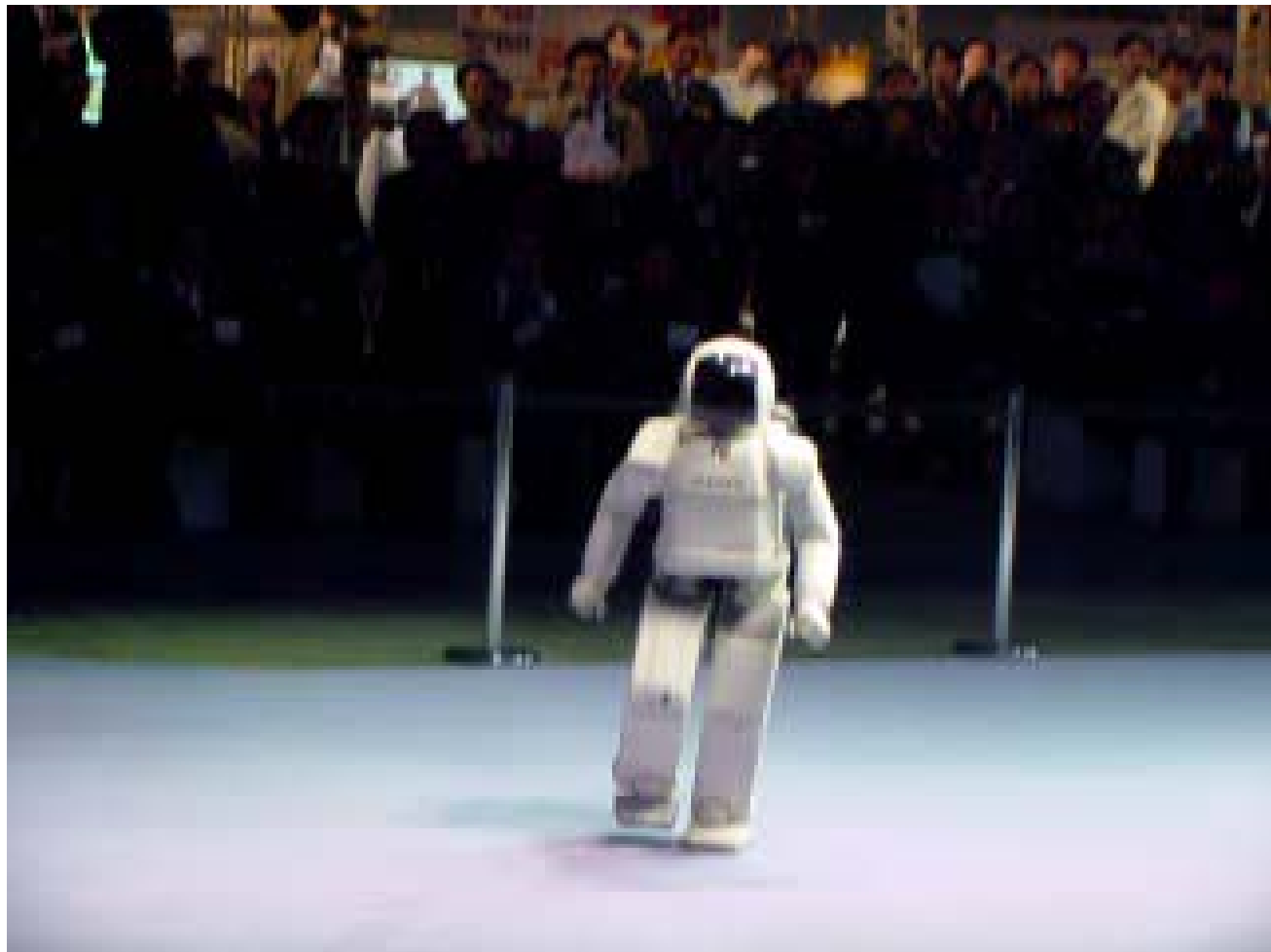
Wednesday 25th June

- 9.00 Start construction
- 1.00 Lunch Peterhouse
- 2.00 Competition
- 3.15 Tidy Up
- 3.30 Finish

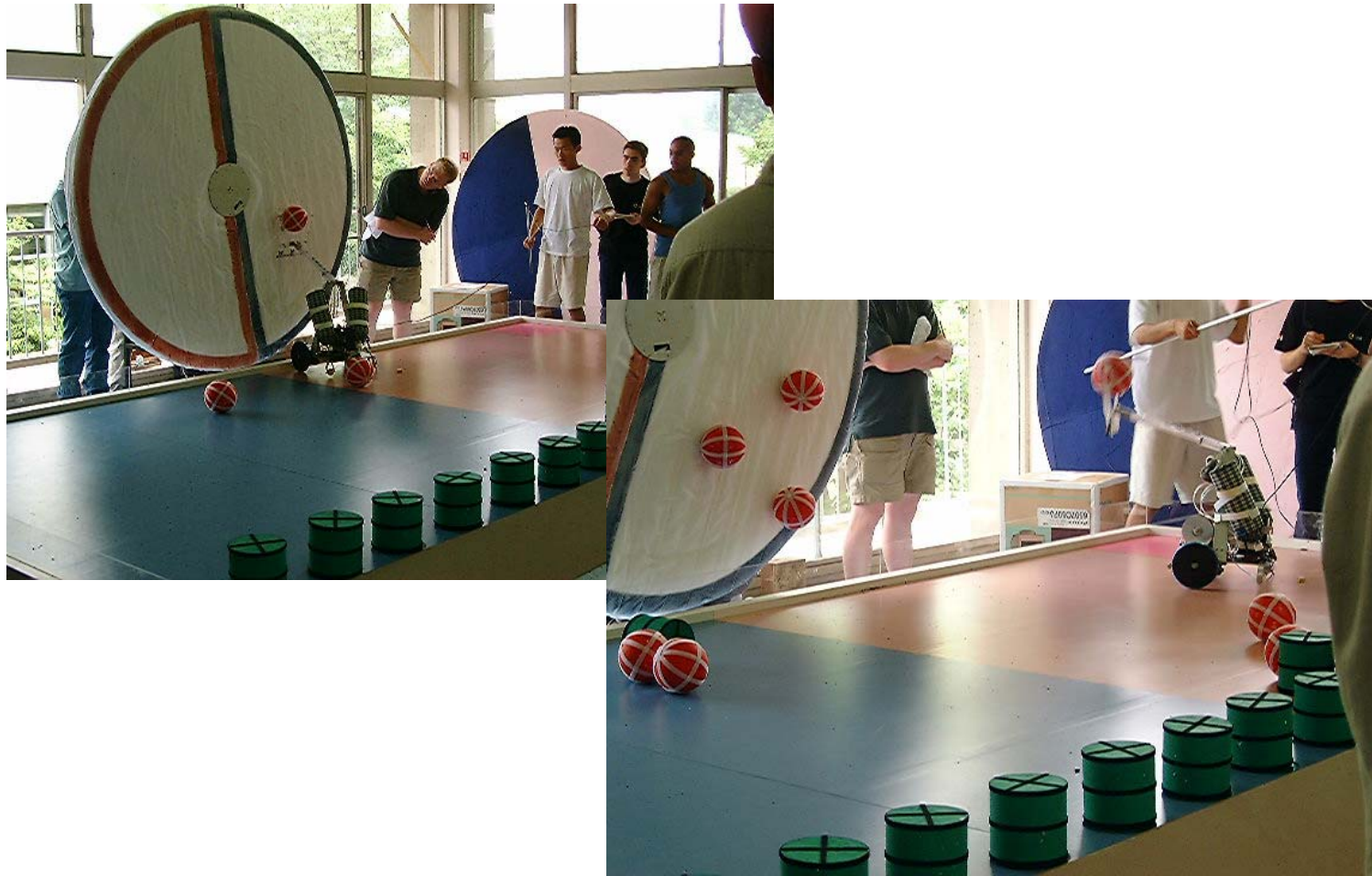
Safety

- Only Use Workshop Equipment under supervision
- Care with HOT Glue guns
- Wear Safety Specs at all times
- Sharp Knives
- Beware of other users





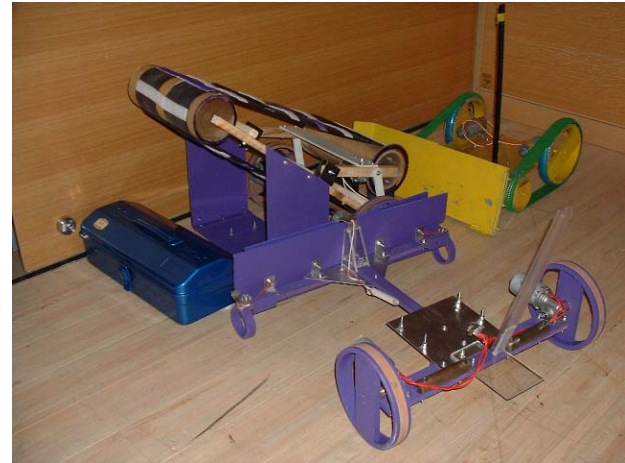
IDC 2001 – Osaka, Japan



The Work



The Designs



The Event – Osaka 2001



The Winners



The Fun

