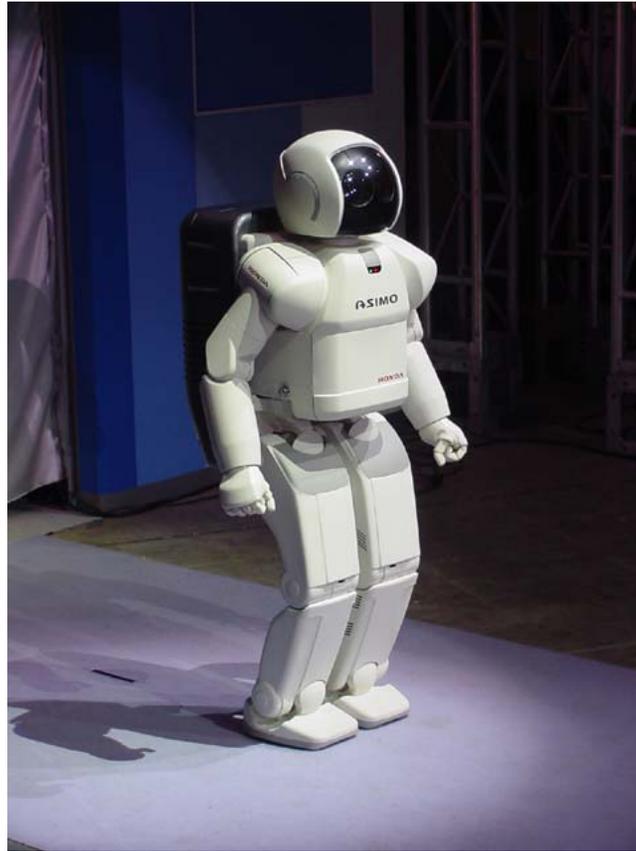


# “Robot Sprint Project”



Headstart 2003

# Challenge

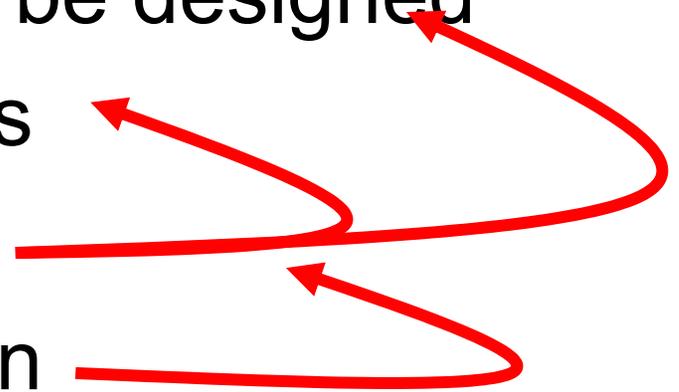
- Design
- Build
- Test
  
- Practical
- Teams
- FUN!

# Design/Build Process

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

# Design/Build Process

- What needs to be designed
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# What Is Required?

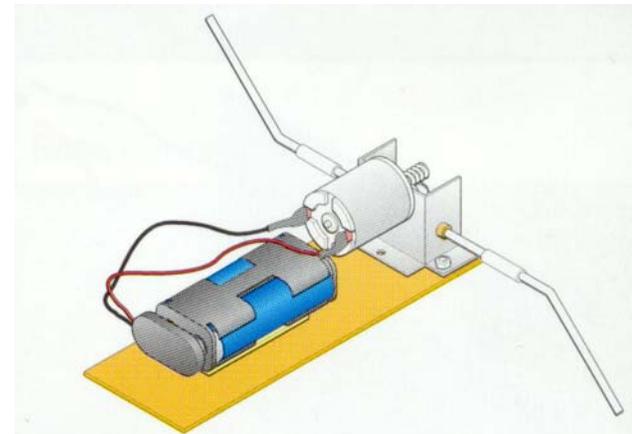
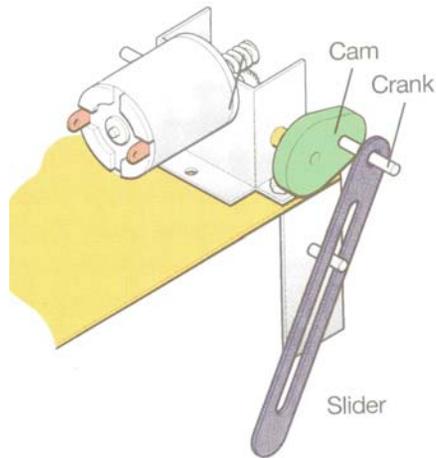
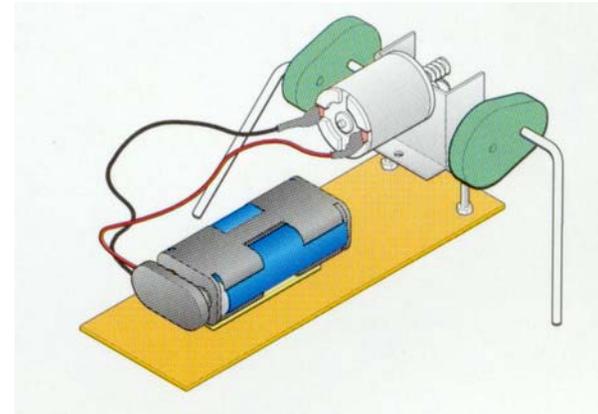
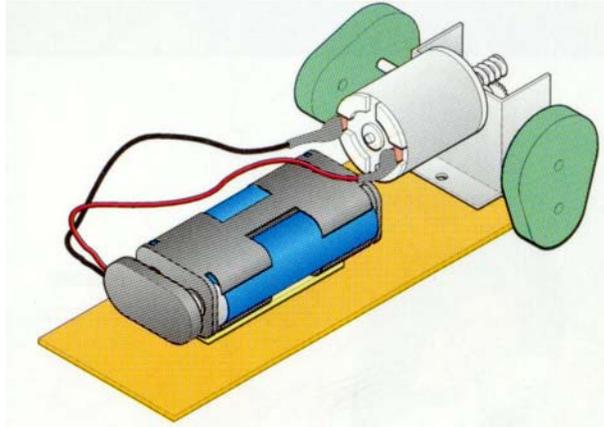
- “Walking Robot”
- Move 2.4m (Track 0.4m Wide)
- As Fast As Possible



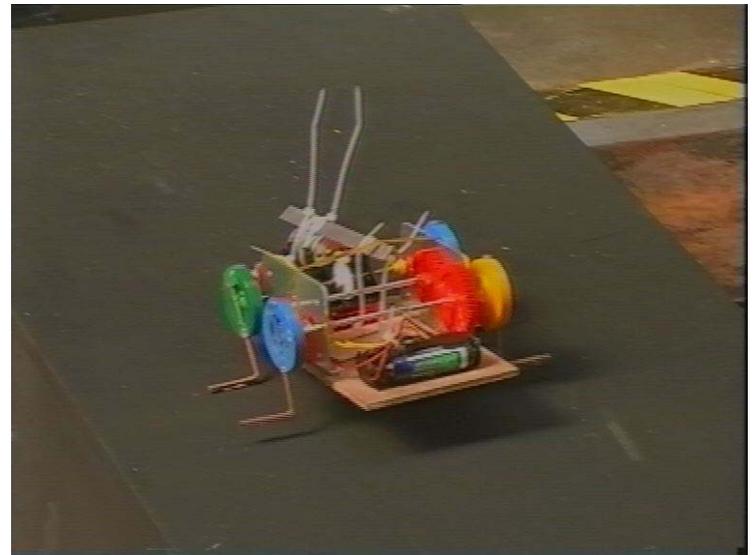
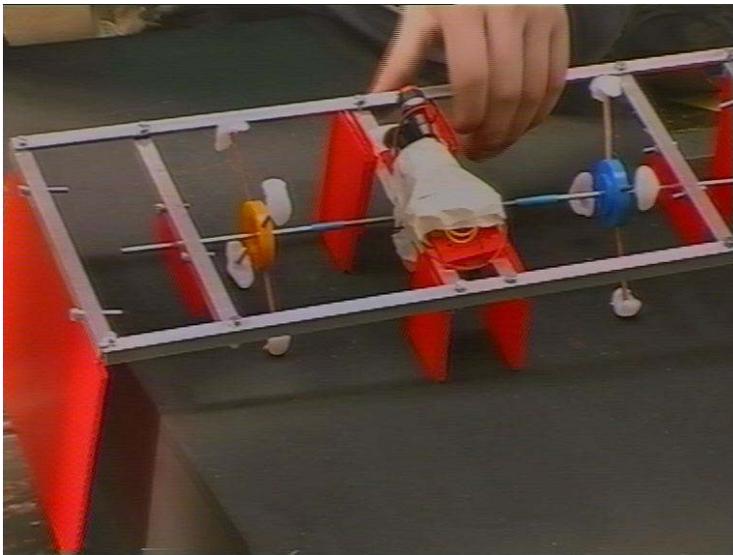
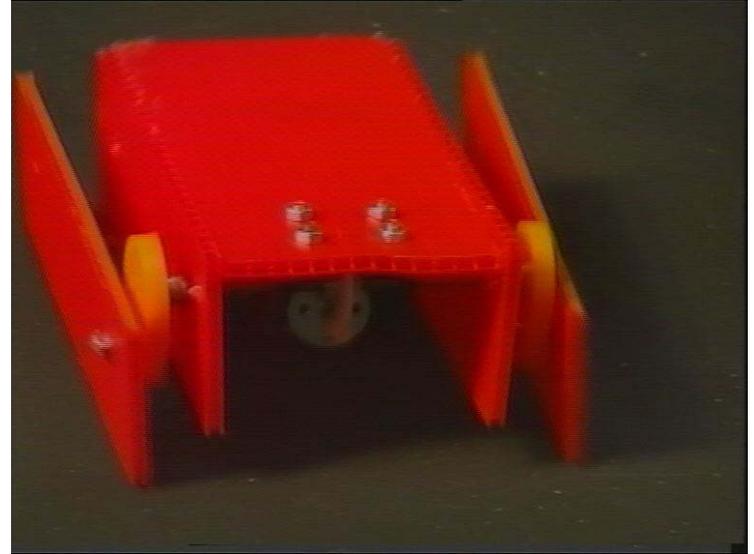
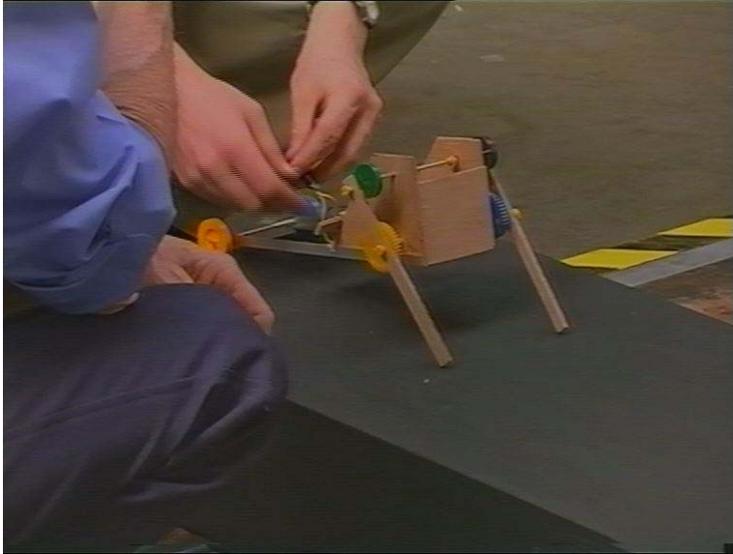
# Kit Components

- 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 24<sup>th</sup> June

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

## Wednesday 25<sup>th</sup> 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





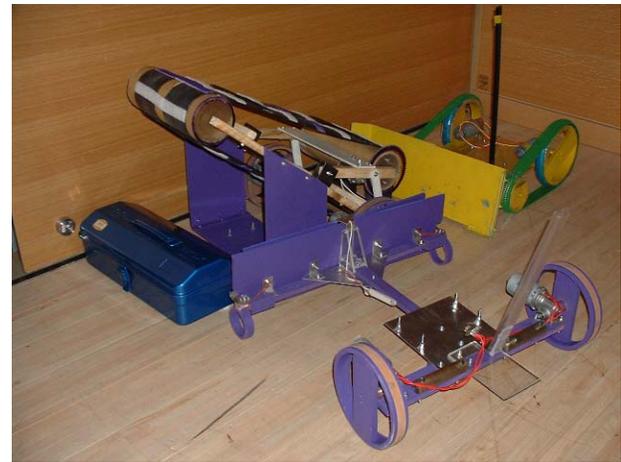
# IDC 2001 – Osaka, Japan



# The Work



# The Designs



# The Event – Osaka 2001



# The Winners



# The Fun

