

concept creation

# Riverton and District High School



## 2008 Year 10 Projects

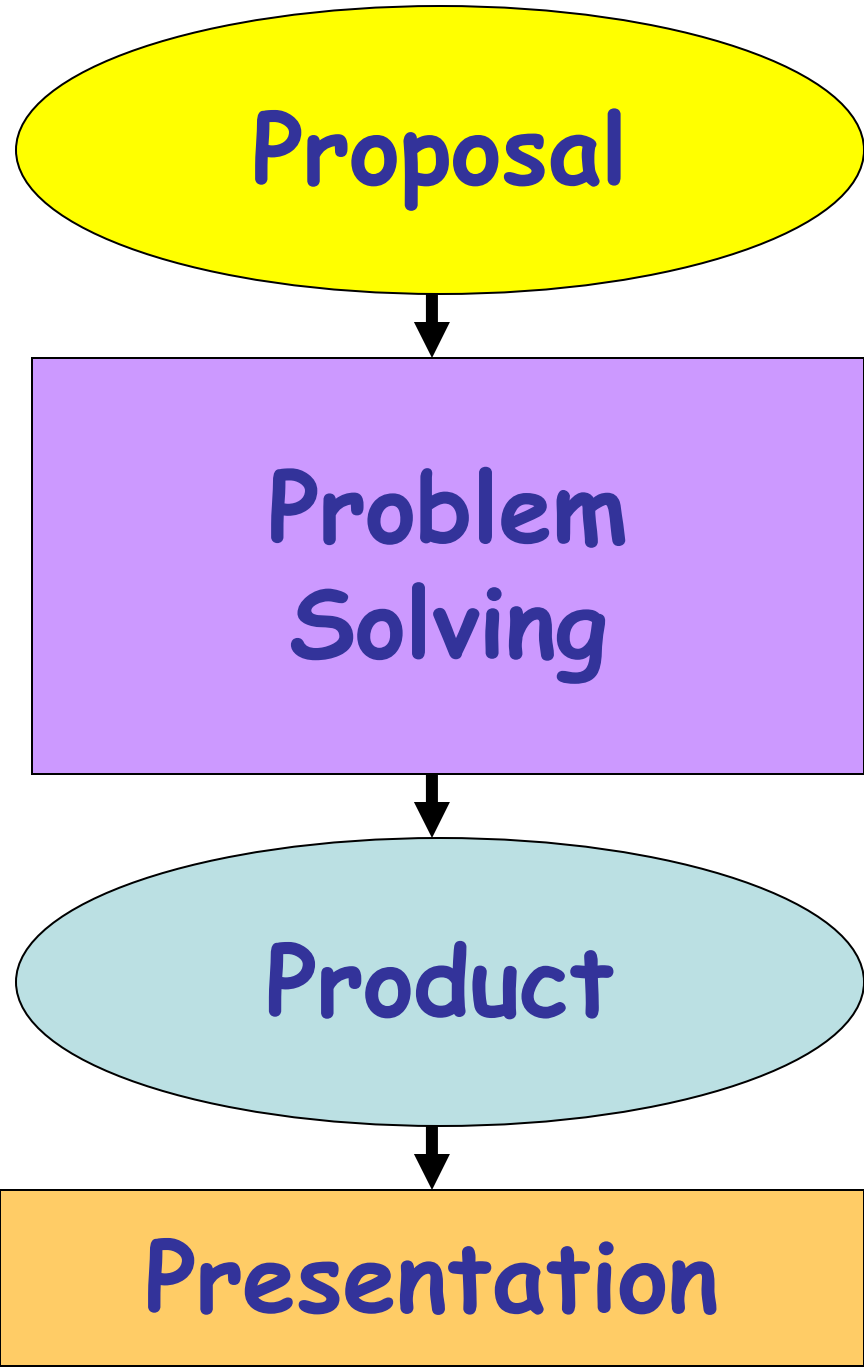


# Overview

- Semester long project
- Groups of 3
- Projects based on solutions to problems
- 2 singles and 1 double per week



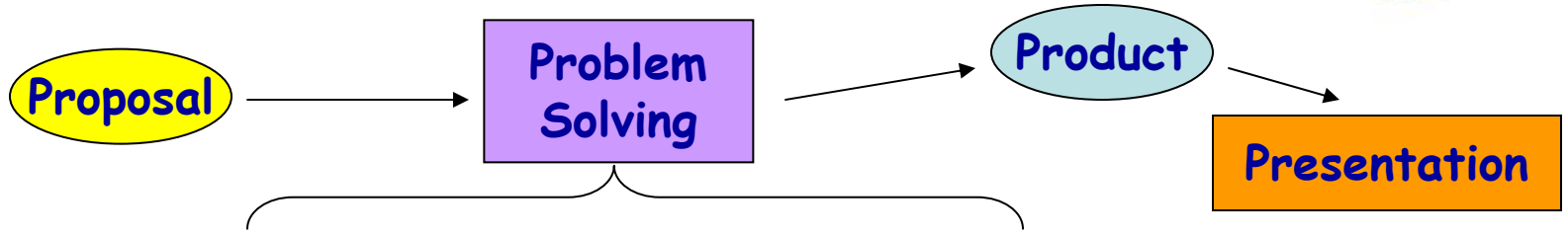
concept  creation



\$\$\$  
**Profit**  
\$\$\$

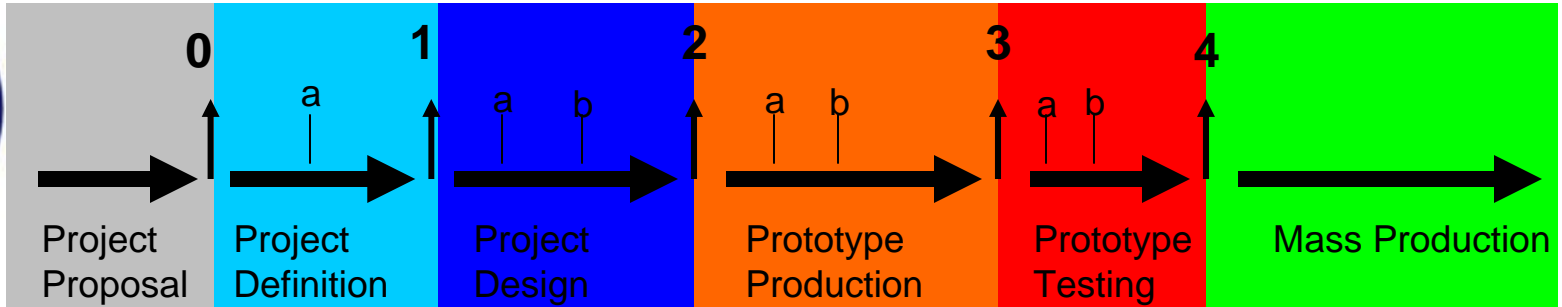


# Phase Diagram



Project Acquired

Expo



2 weeks

1 week

2-3 weeks

6-8 weeks

2 weeks



# Phase Reviews



- 0 – Project Proposal Phase
- 1 – Project Definition
- 2 – Project Design Phase
- 3 – Project Prototype Production
- 4 – Project Prototype Testing



# Assessment



- Phase 0 – Each student to have contributed to a proposal
- Phase 1 – Project team to have a ‘Project Definition’ sheet filled out to work from
- Phase 2 – The project design explained to a panel of students and teachers
- Phase 3 – Students and teachers to assess progress based on project definition and design
- Phase 4 – Panel to assess displays and knowledge at expo



# Expectations

- Work as a group
- Push your boundaries
- Expect the unexpected
- Don't be afraid
- All that's previous and to follow are guidelines to help you develop a final product



# Crest Award



- A national award for projects carried out in Science and Technology
- We will be looking at the Bronze (and maybe silver) awards
- More information as this is new for me two





# Project Areas



- Personal
  - Items targeted for use on ones self
  - Examples
    - Jewelry
    - Cosmetics
    - T-Shirt Design and Printing



# Project Areas



- Recreational
  - Items targeted for use in a recreational pursuit
  - Examples
    - Electronic Games
    - Spinnie Chair
    - Mood Lights
    - Basketball ring



# Project Areas



- Engineering
  - Items aimed at mass production for use around the home and business
  - Examples
    - Security Systems
    - Multipurpose Wheelie Chair
    - Off Road Go Kart



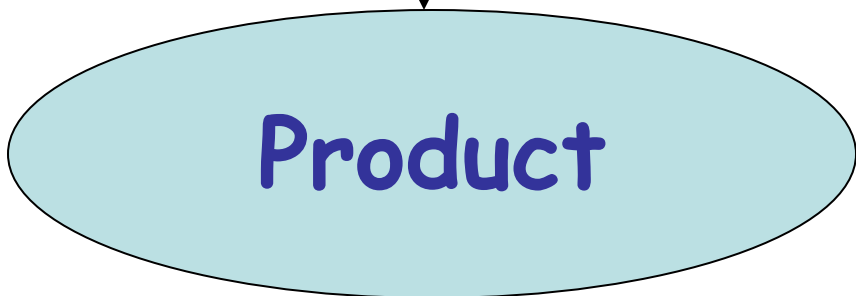
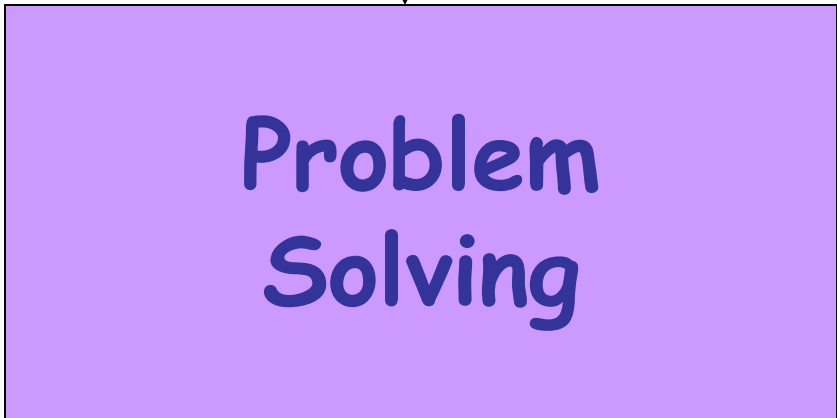
# Project Areas



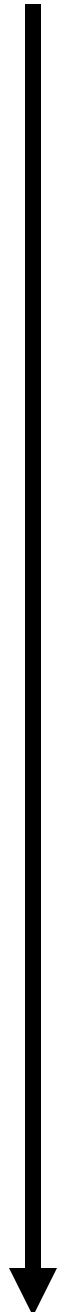
- Other
  - This is some other extremely cool / needed / worthwhile project that for some reason doesn't fit into the previous categories
  - Examples
    - You will need to think of some



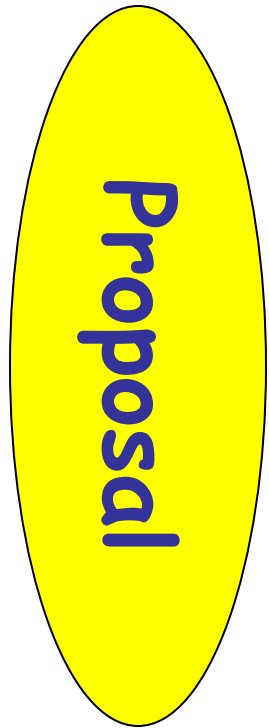
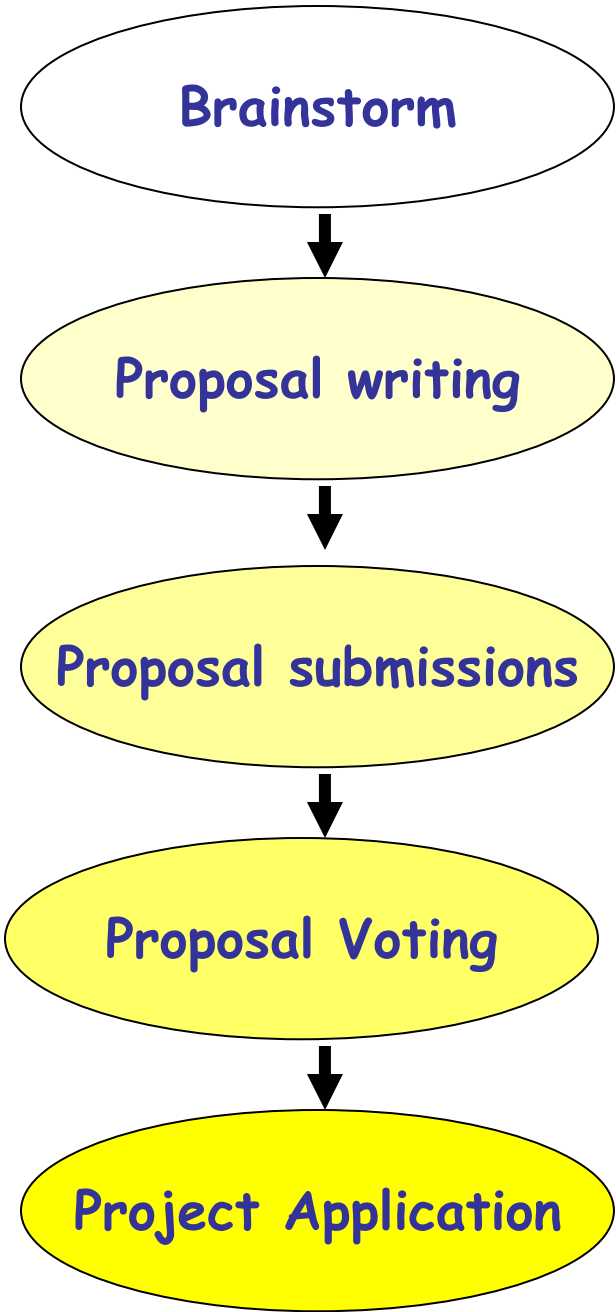
concept  creation



\$\$\$  
Profit  
\$\$\$

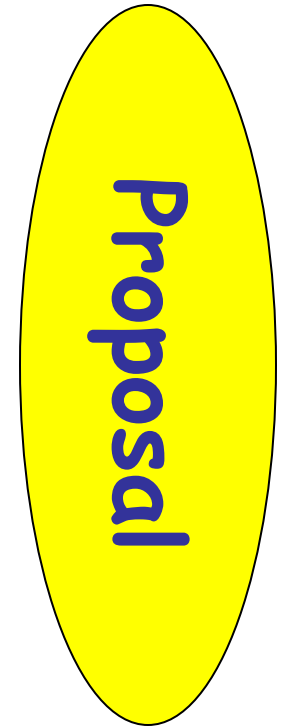


# concept creation

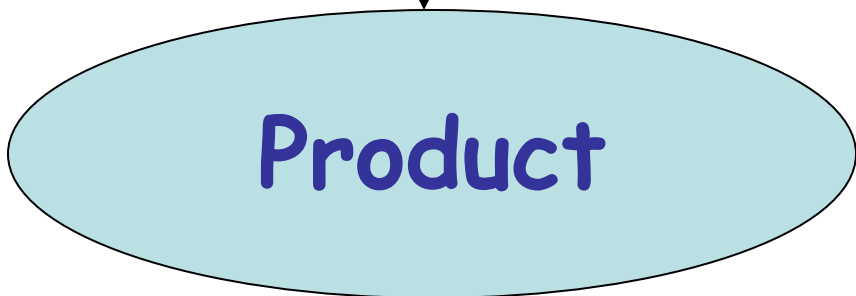
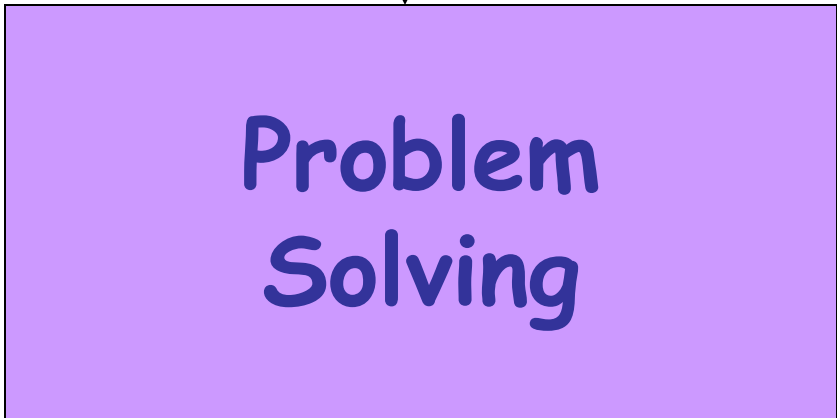


# Timeline

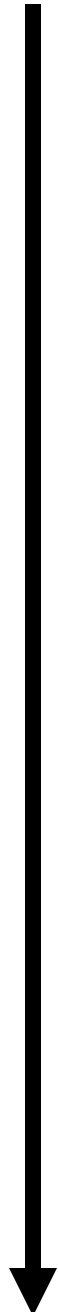
- Wednesday Week 9
  - Brainstorming
  - Proposal Writing
- Thursday Week 9
  - Proposals Due
- Friday Week 9
  - Project Voting
- Tuesday Week 10
  - Project Application Writing
- Wednesday Week 10
  - Project Applications Due
- Friday Week 10
  - Project Groups announced



concept  creation

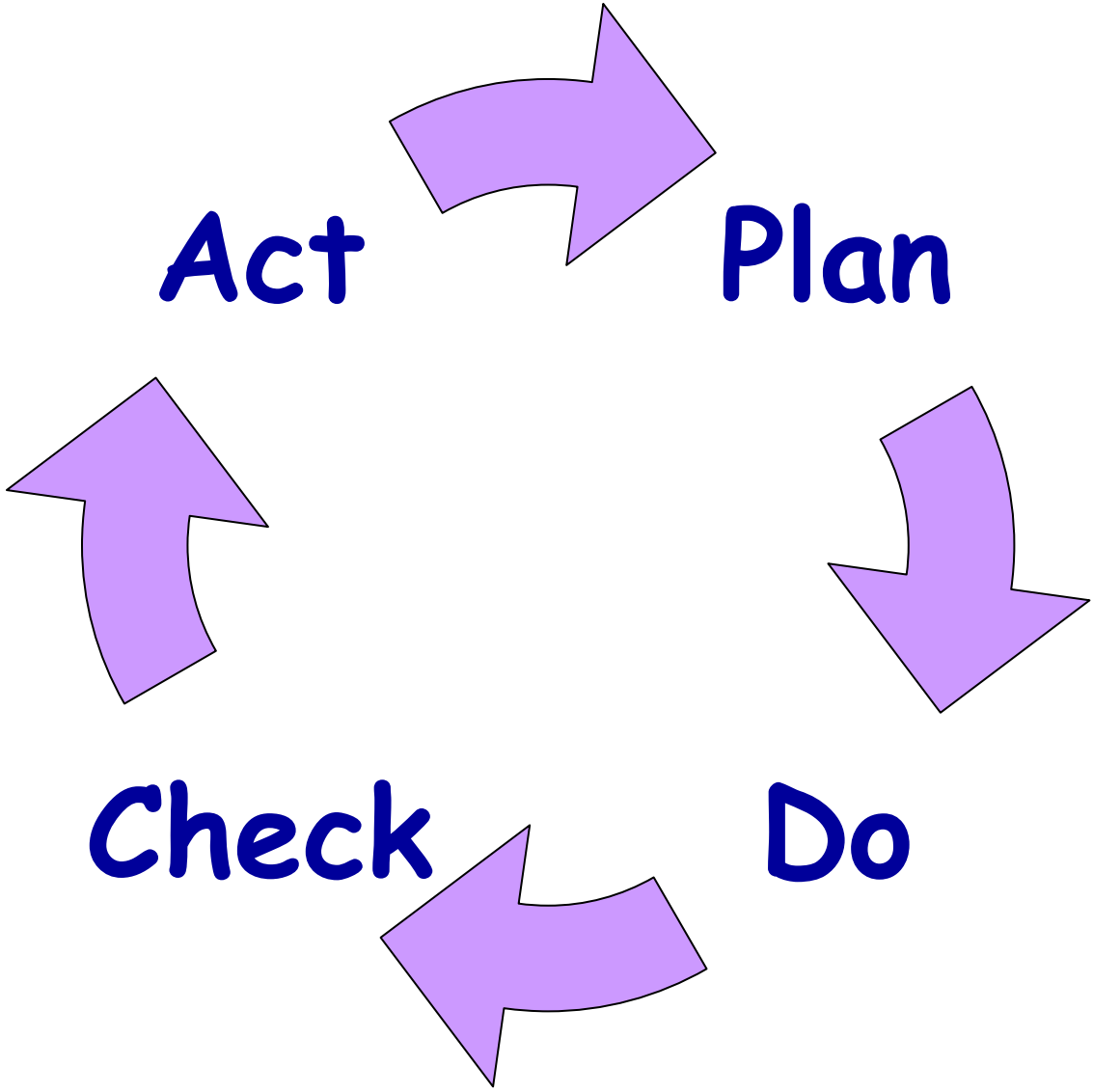


\$\$\$  
Profit  
\$\$\$





**concept creation**

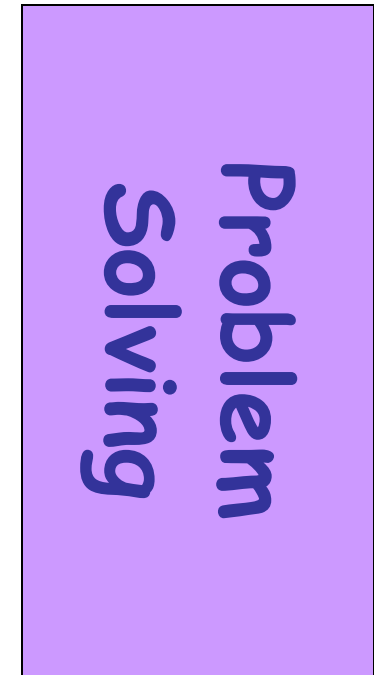


**Problem Solving**



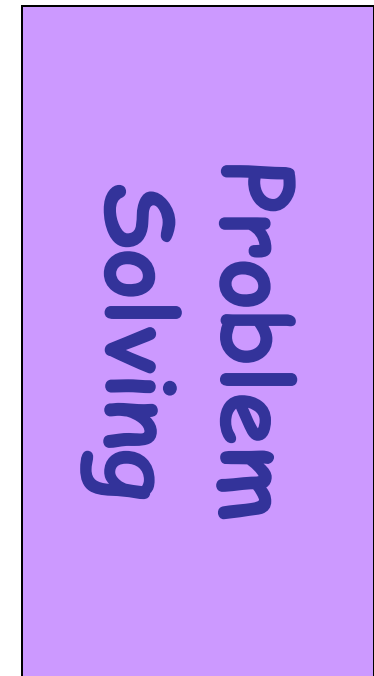
# Timeline

- This is open ended and only truncated by the Innovation Expo at School
- Thursday 6<sup>th</sup> November
- Week 4 Term 4



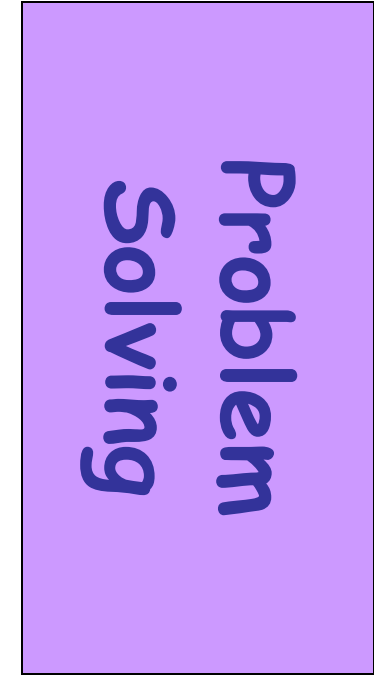
# Workshops

- ✓ OHSW (all)
- ✓ Project Management (all)
- Lean Manufacturing version 2 (all)
- Systems Engineering (all)
- Electronics (project based)
- Pro Desktop (project based)
- Engineering Fabrication (project based)
- Marketing (all)
- Budgeting (all)
- Making a Displaying (all)

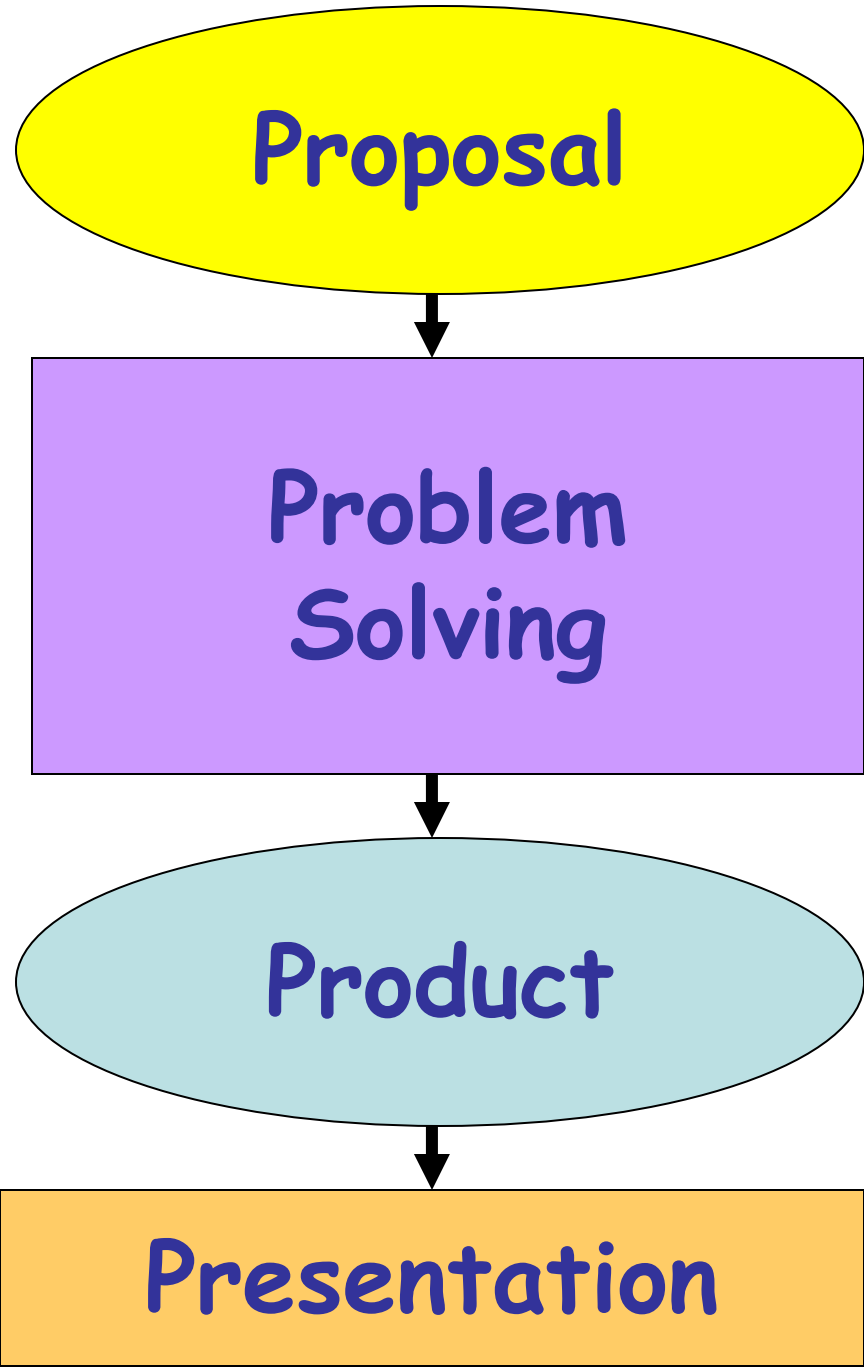


# Advise

- Plan
- Plan
- Plan
- And then
- Plan again



concept  creation

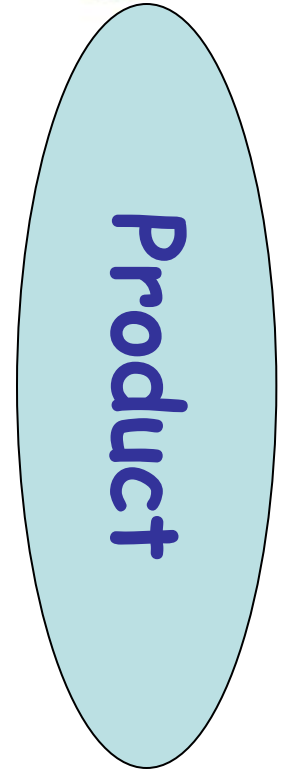


\$\$\$  
**Profit**  
\$\$\$

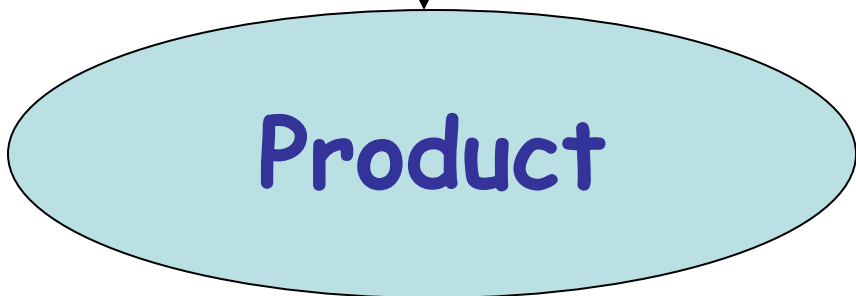
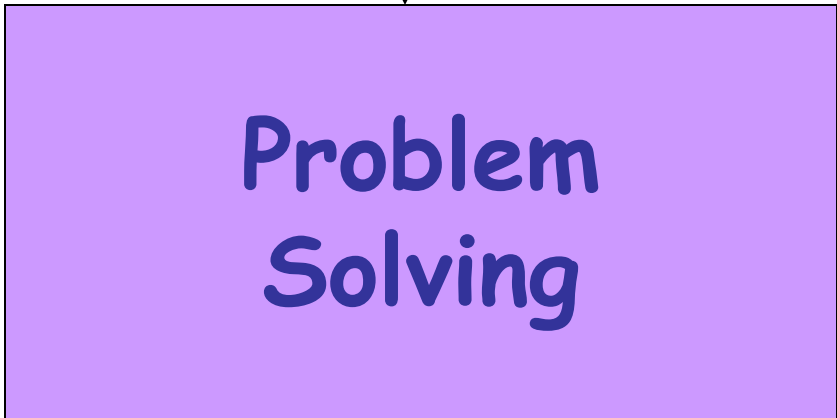


# Marketing

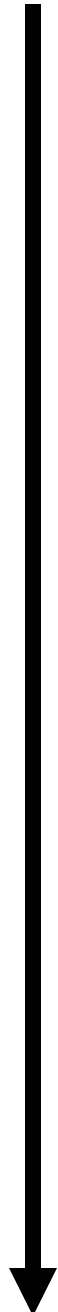
- Develop a marketing strategy for you product
- The Innovation Expo and C2C Expo are like trade shows (eg Caravan and camping show)



concept  creation



\$\$\$  
Profit  
\$\$\$



# Innovation Expo

- Thursday Week 4 Term 4
- Not that long to go really



Presentation





# C2C Expo

- The one you missed out on last year



Presentation



concept  creation

\$\$\$  
Profit  
\$\$\$

