



# Using Video Reports to Promote Active Engagement in Learning

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**ISEE 2007: Cork**

# Realisation!

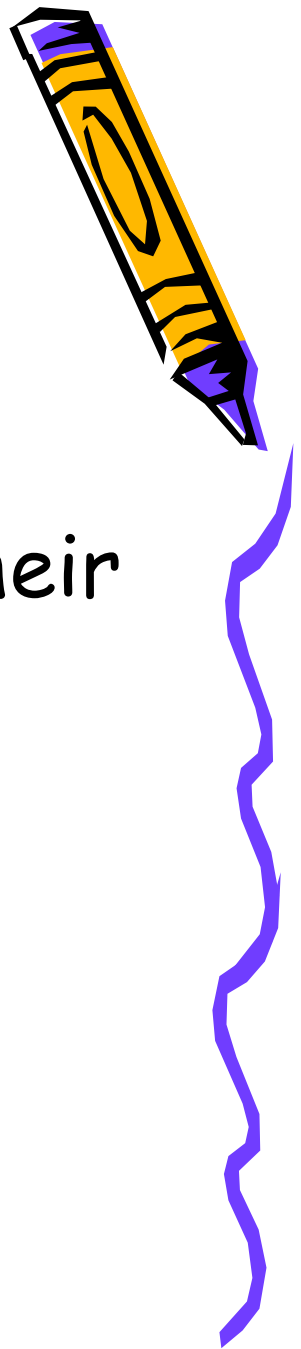
- We experienced ...
- We expect ...
- Students experienced ...
- Students expect ...

**Learning**

**Teaching**

## .... In a nutshell !

- Today's students are different
- We have a responsibility to gain their interest
- Make it fun!



# The EPPS Module



- to promote engagement with the course and the profession;
- to enable students to become more successful learners.
- to encourage real understanding through the application of fundamental engineering science.
- to develop applicable practical & transferable skills.



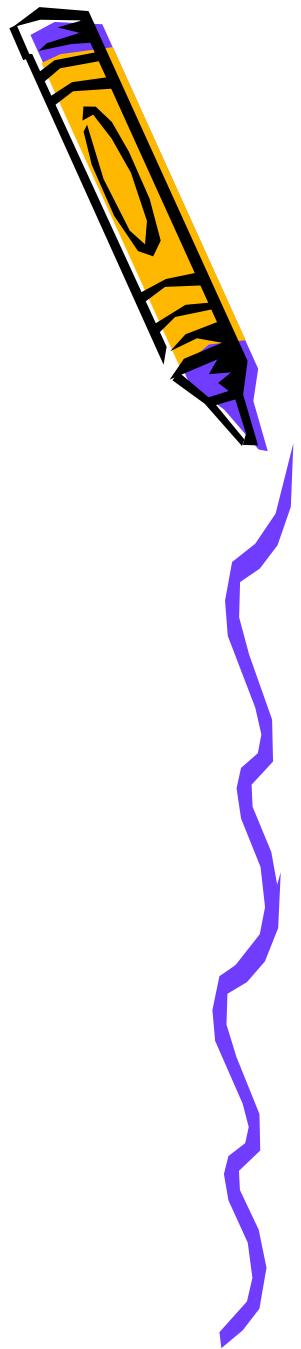
# The PBL-3 Task

1. Select a system.
2. Research how it works.
3. Determine the inputs and outputs to the system
4. Describe component parts.
5. How does this system impact on the driving experience?



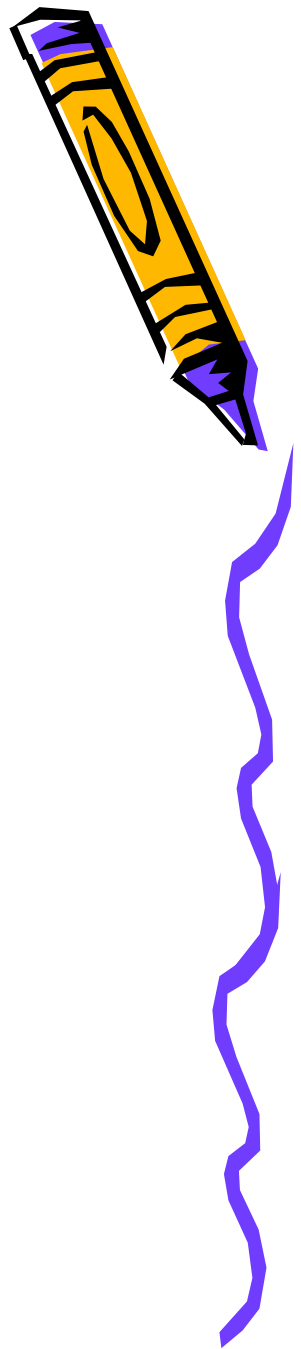
# Reporting / Assessment

- Video report
  - Documentary style
  - <10 minutes
  - Facts and figures + entertainment
- Written statement of references
  - Address 'copyright' and 'right to view' issues



# Resources

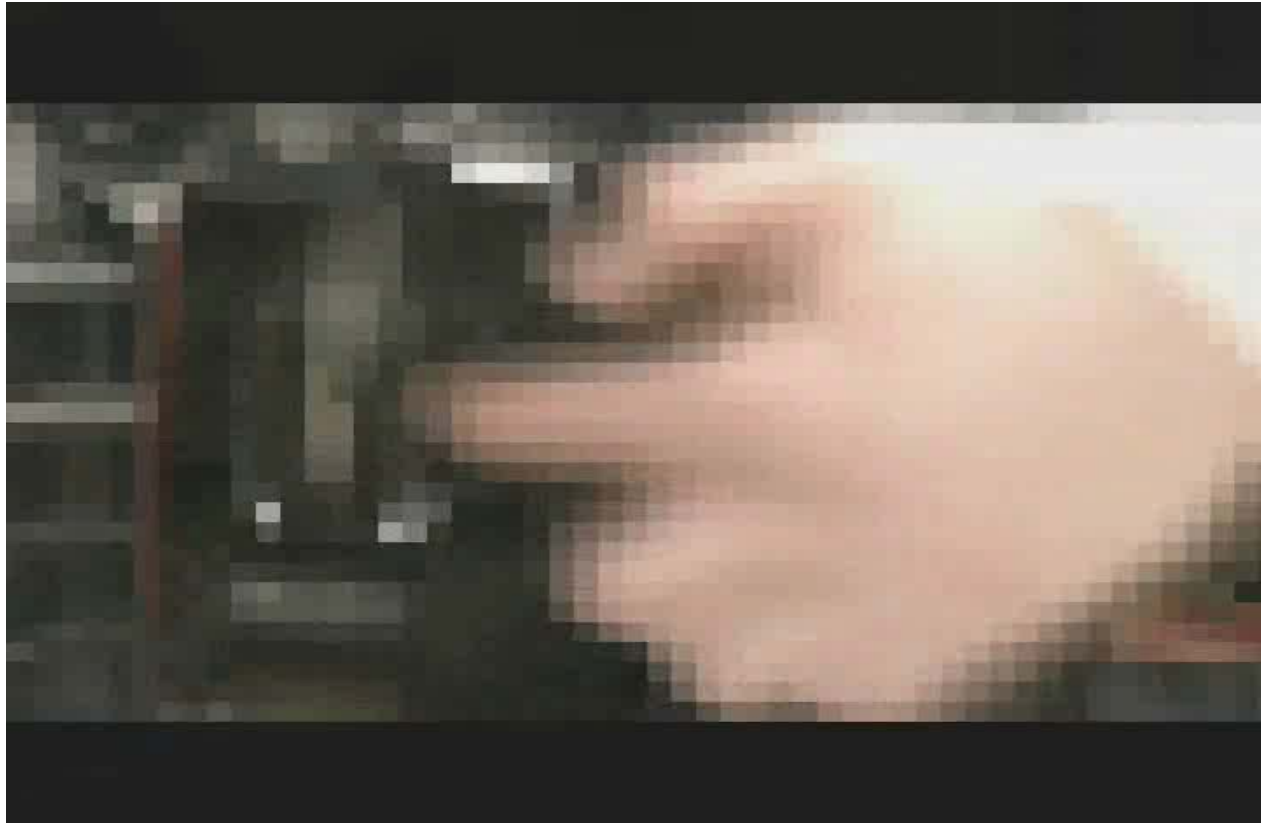
- Q&A
- Access to Personal Tutors & labs
- Camera kits for loan
- Online self teach 'Movie Maker'



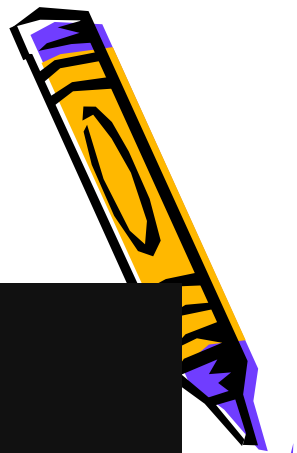
# Sample Clips



# Engineering in Context



# Engagement / Teamwork



# Online Feedback, they liked ...

- Something different
- Team Aspects
- Freedom
- Fun element
- Technical/Practical Knowledge

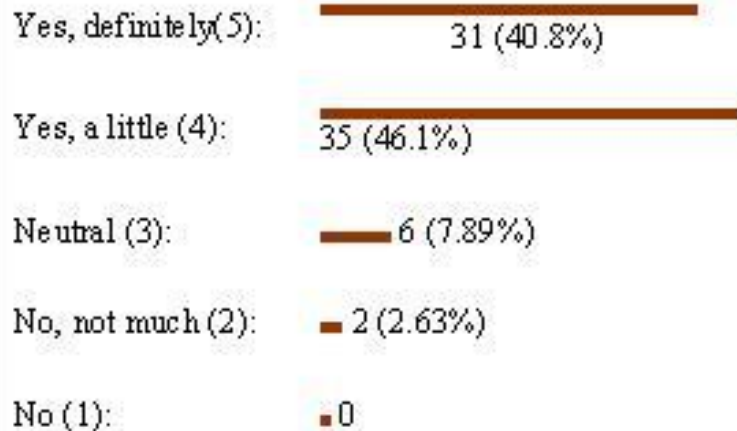
76% "Enjoyed the assignment"



# But did they learn anything?

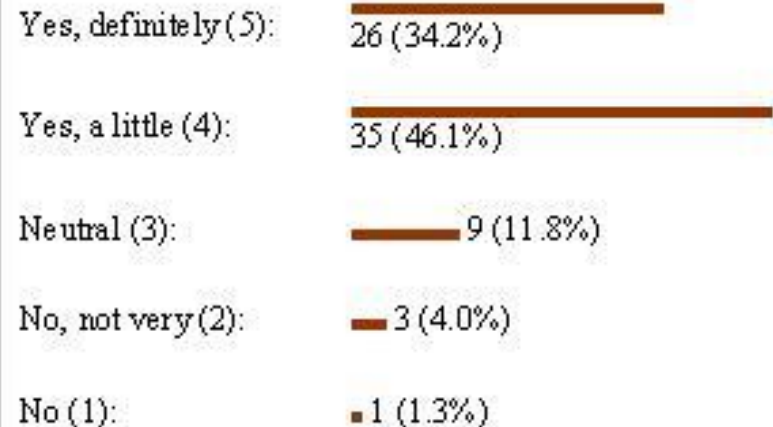


**Did you learn or consolidate knowledge of Engineering Principles by completing the task?**



**Average: 4.2**

**Was the project effective for improving transferable skills such as researching, communication or IT?**



**Average: 4.0**

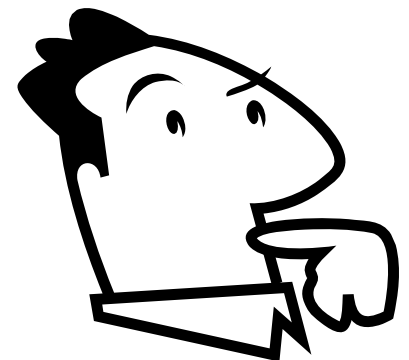


# The EPPS Module

## Focus Group Quotes: 2009



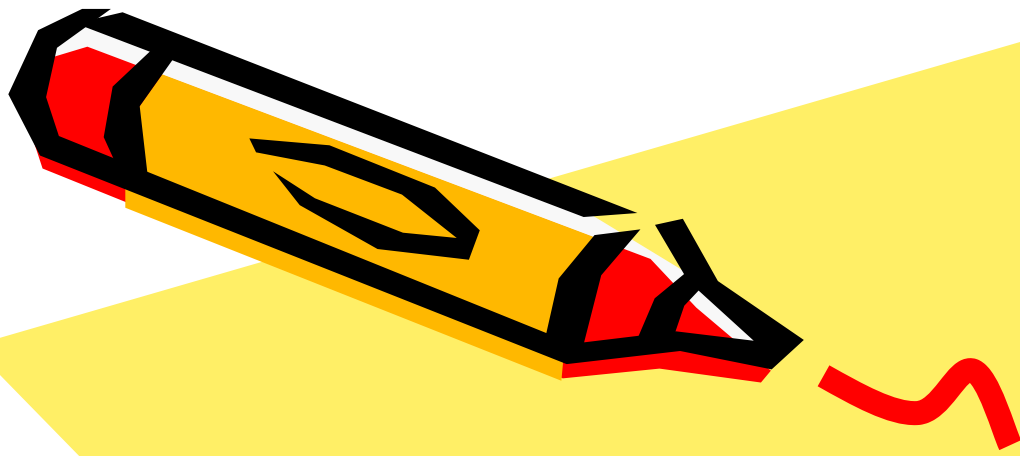
- "It's different here"
- "Lectures alone are not enough"
- "I try to get more involved now"
- "need to study to learn not just for marks"



# Conclusions

- Transition is harder than ever and only active intervention will combat wastage.
- More early practical/fun needed
  - Video project gives
- Demonstrable teamwork
- Active engagement and Good feelings
  - PBL experiment results in
- Enhanced understanding /reduced wastage??





Questions?

