

# Distance, Blended & Flexible Learning

Available Support and Role of the eLearning Team

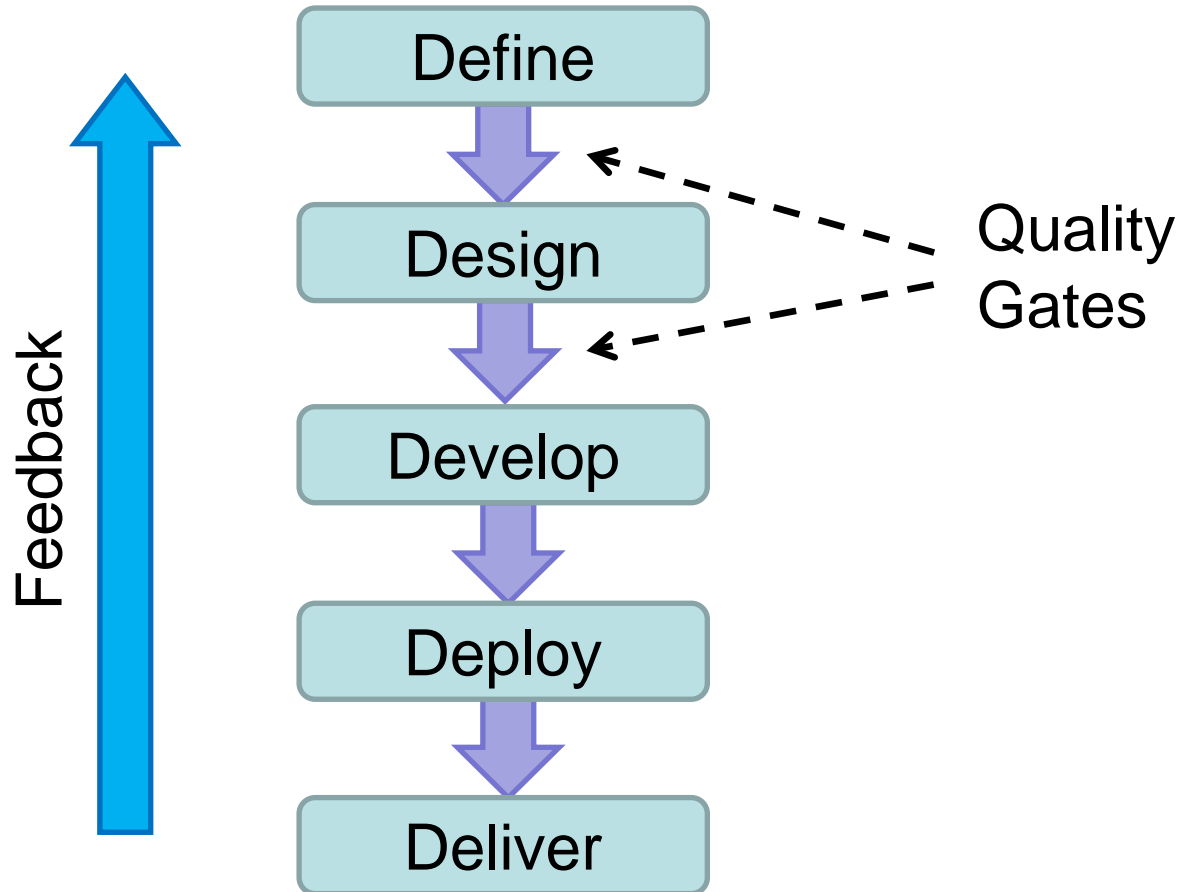
Ian Hutt

EPS eLearning Team

# EPS eLearning Team

- Support areas
  - Technical, pedagogical & project advice
  - Build
  - Equipment, training & support
- Funding
  - Smaller-scale: project-based
  - Large-scale: dedicated resource

# The 5D Process



# The 5D Process – “Define”

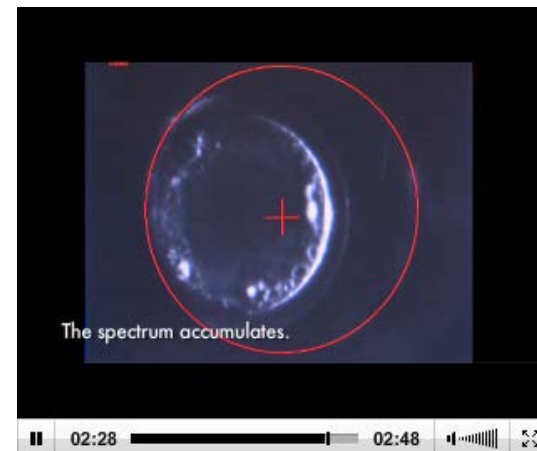
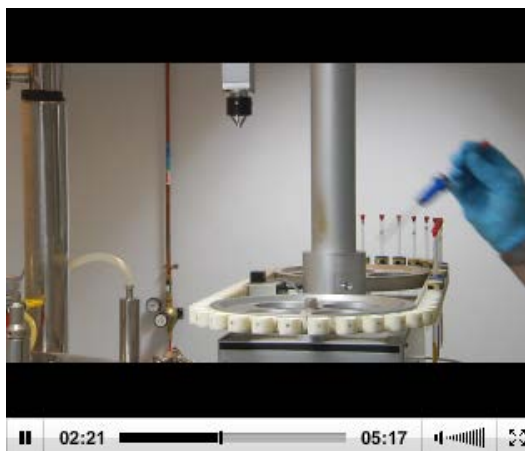
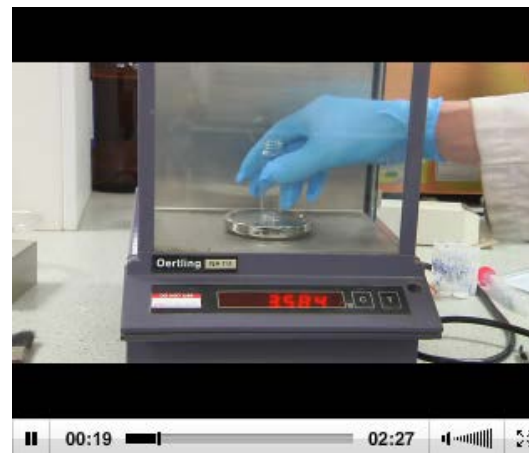
- Project Management
- Agree requirements
  - Timescales & resources
  - Support & sustainability
- Roles & responsibilities
- Communication plan

# The 5D Process – “Design”

- Knowledge transfer
- Formative testing/feedback
- Interaction – group & individual
- Assessment
- Practical/Lab work

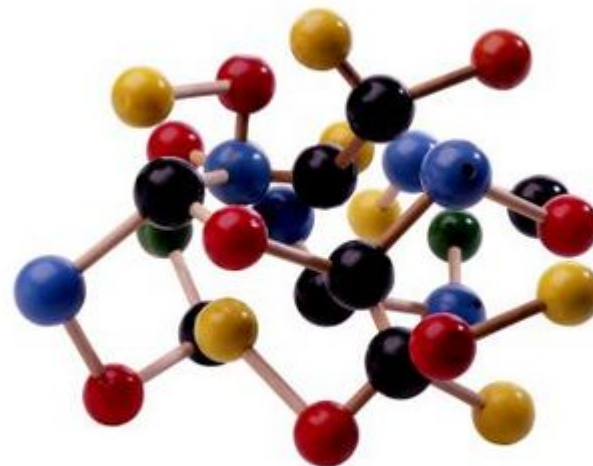
# Practical / Lab work 1

- Lab demo videos
  - Polymer Characterisation
  - Data Analysis Exercise



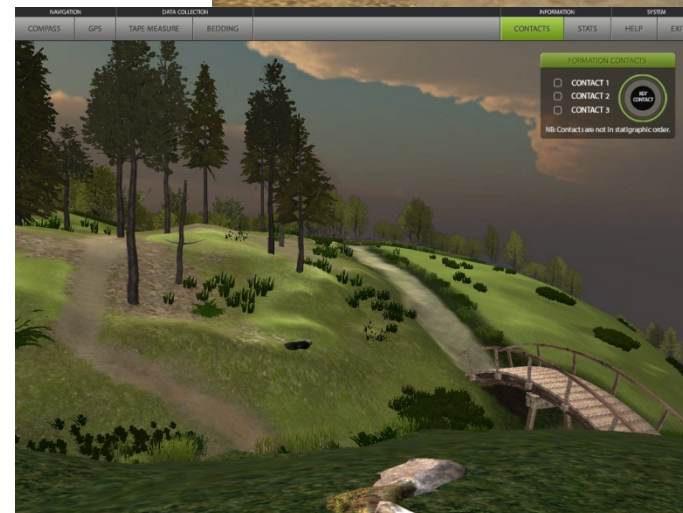
# Practical / Lab work 2

- “Home Labs”
  - Colouration/Corrosion
  - Easily obtainable ingredients
  - H&S considerations



# Practical / Lab work 3

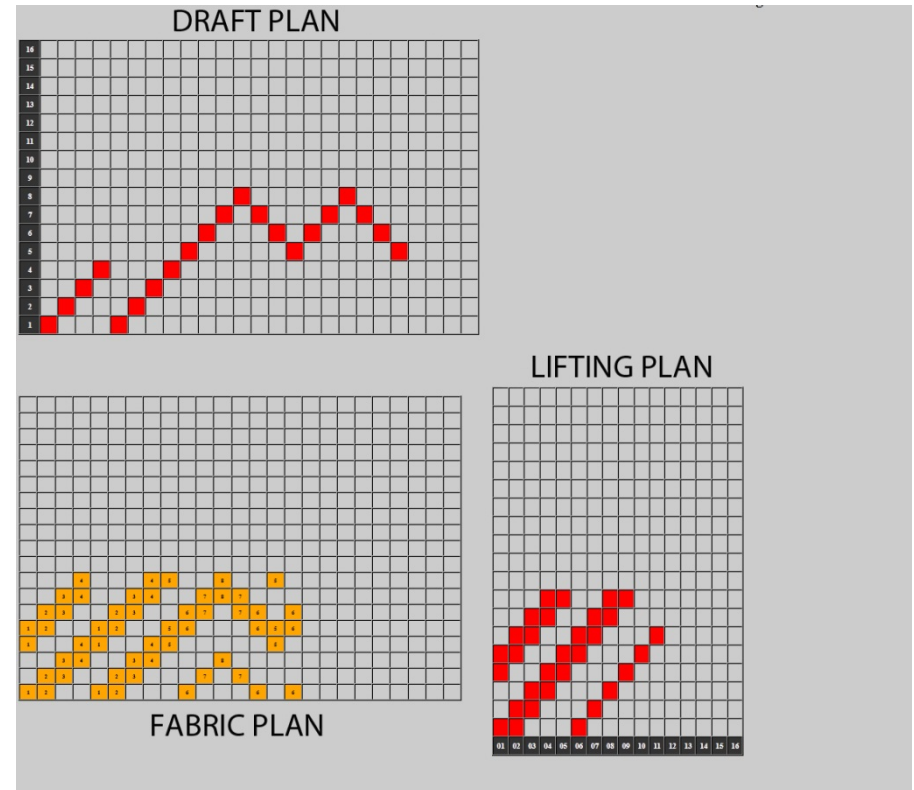
- Sedworks / Mapworks
  - Earth Sciences
  - Virtual environments
  - Game engine
  - Sample readings





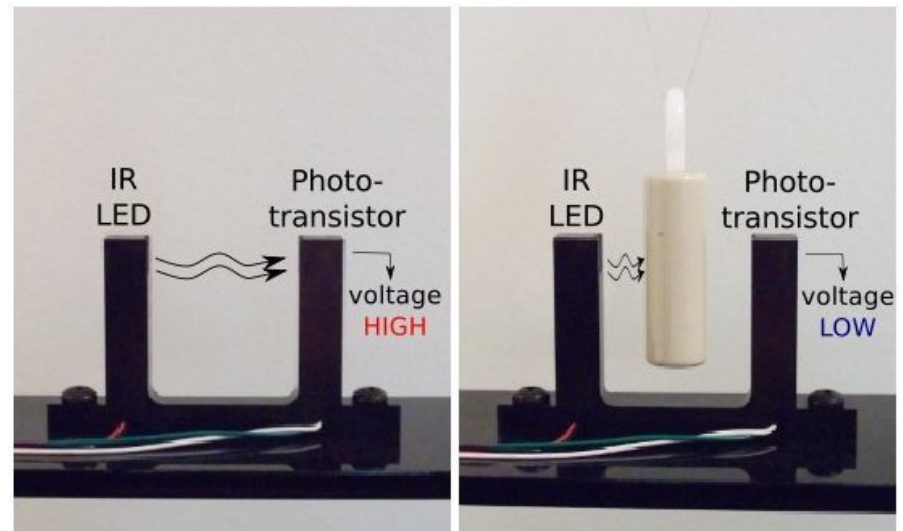
# Practical / Lab work 4

- Weaving Simulator
  - Online tool
  - CAD package
  - Paper forms



# Practical / Lab work 5

- Enhanced Video Expts
  - Foundation Physics
  - Demos in lectures
  - Video + annotation
  - *In development*



# Practical / Lab work 6

- “Self-service” field trips
  - Environmental Science
  - Augmented Reality
  - Geo-tagging
  - *In development*

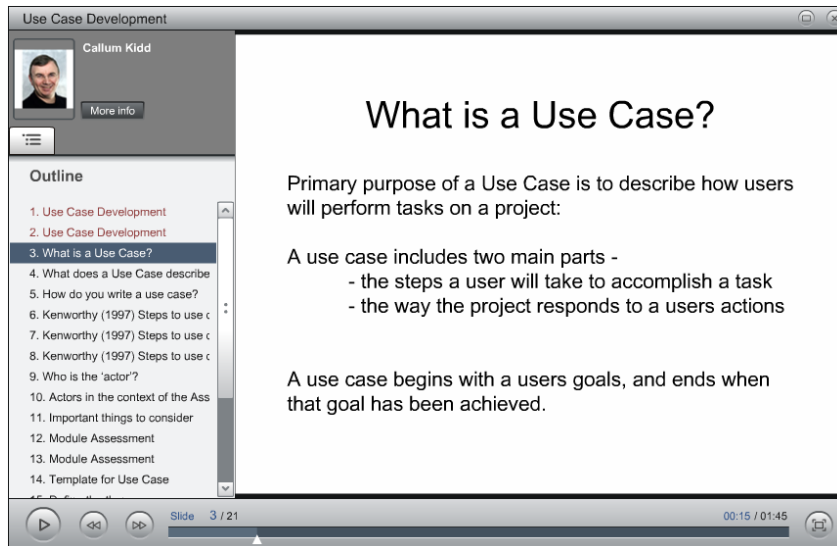


# The 5D Process – “Develop”

- Structure & navigation
- Create self-test quizzes
- Online submission – set-up & training
  
- Content development
  - Passive: text, video, slideshows, links
  - Discovery, problem-based learning

# Lecture Capture

## Narrated Slides



The screenshot shows a software interface for a narrated slide presentation. The window title is "Use Case Development". In the top left corner, there is a profile picture of Callum Kidd and a "More info" button. The main content area displays the slide title "What is a Use Case?" followed by two paragraphs of text. The first paragraph states: "Primary purpose of a Use Case is to describe how users will perform tasks on a project:". The second paragraph states: "A use case includes two main parts -" followed by a bulleted list: "- the steps a user will take to accomplish a task" and "- the way the project responds to a users actions". The third paragraph states: "A use case begins with a users goals, and ends when that goal has been achieved." On the left side, there is an "Outline" panel with a list of 14 items, where the third item, "3. What is a Use Case?", is highlighted. At the bottom, there is a navigation bar with play, back, and forward buttons, a progress indicator showing "Slide 3 / 21", and a timer showing "00:15 / 01:45".

Use Case Development

Callum Kidd

More info

### What is a Use Case?

Primary purpose of a Use Case is to describe how users will perform tasks on a project:

A use case includes two main parts -

- the steps a user will take to accomplish a task
- the way the project responds to a users actions

A use case begins with a users goals, and ends when that goal has been achieved.

Outline

1. Use Case Development
2. Use Case Development
3. What is a Use Case?
4. What does a Use Case describe
5. How do you write a use case?
6. Kenworthy (1997) Steps to use c
7. Kenworthy (1997) Steps to use c
8. Kenworthy (1997) Steps to use c
9. Who is the 'actor'?
10. Actors in the context of the Ass
11. Important things to consider
12. Module Assessment
13. Module Assessment
14. Template for Use Case

Slide 3 / 21

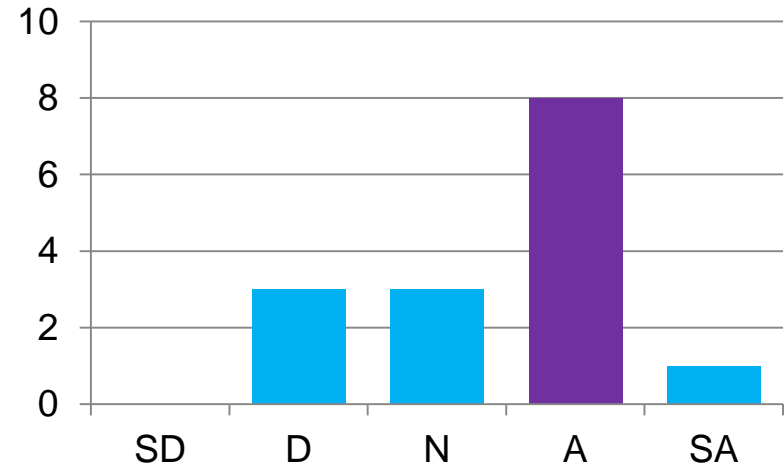
00:15 / 01:45

## Video



# Problem-based Learning

- Humanitarian Aid
  - Bland Tomkinson
- Group PBL
- Online trial
  - Skype, forums
  - Wikis
  - Journals



*My group was able to collaborate effectively online.*

# The 5D Process – “Deploy”

- Set up Bb9 space
- Integrate with other systems (e.g. VLS)
- Communication / collaboration tools
  - Set-up
  - Training
  - Support

# The 5D Process – “Deliver”

- Ongoing support & maintenance
  - 0.25 FTE per MSc
- Intro Workshops for new intakes
- eTutor training
- Review & continuous improvement



# Critical Success Factors

- Dedicated administrative contact
- Dedicated technical support
- Leadership
- Industrial contact
- Engagement with teaching team

# The 5D Process

