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Distance, Blended & Flexible Learning

Available Support and Role of the eLearning Team

Ian Hutt

EPS eLearning Team

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EPS eLearning Team

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

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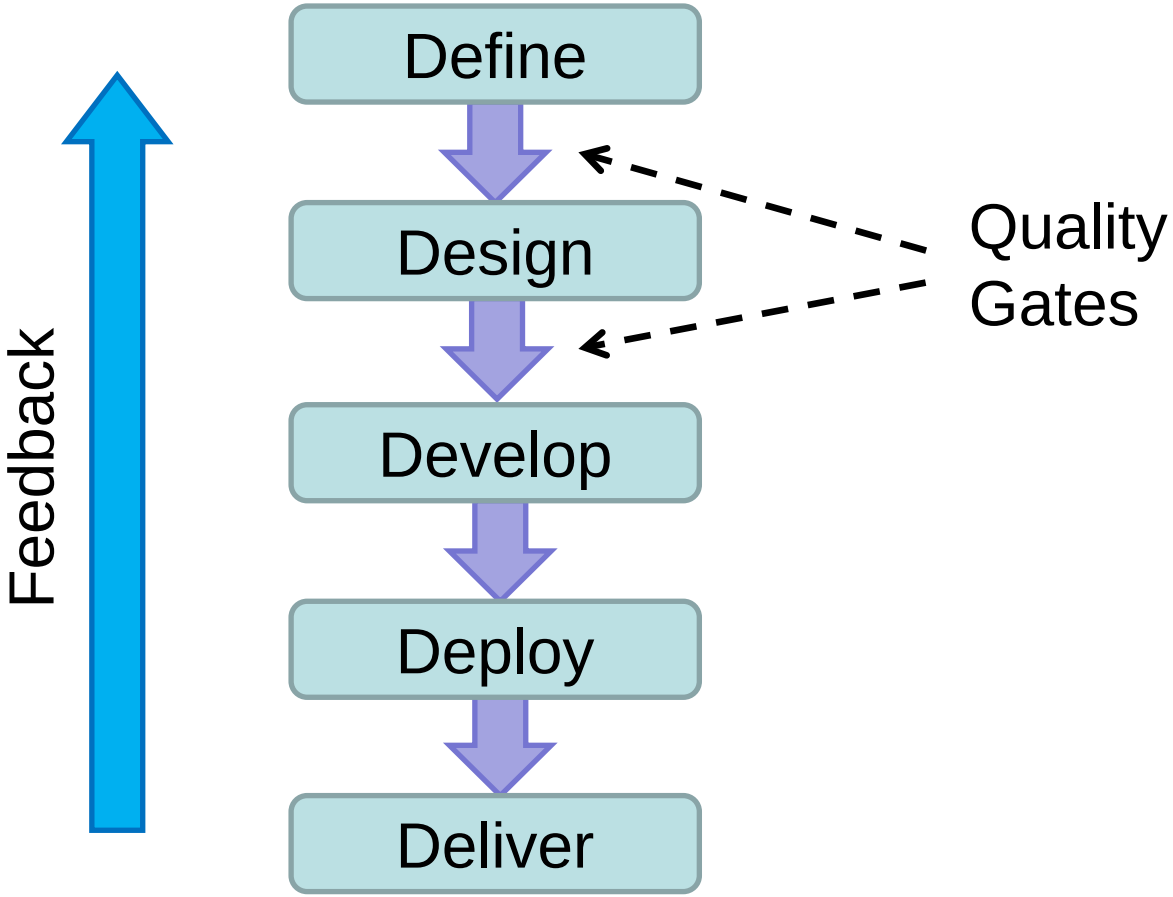
The 5D Process



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The 5D Process – “Define”

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

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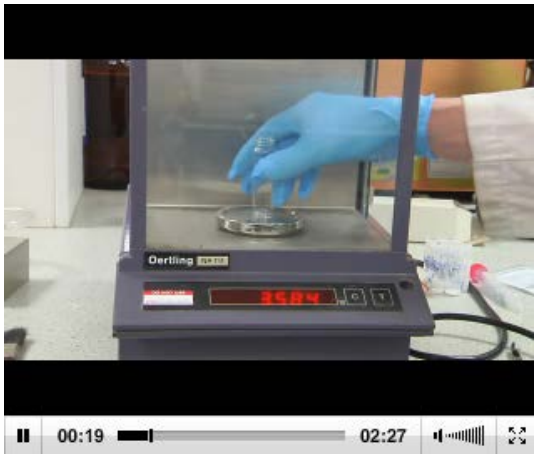
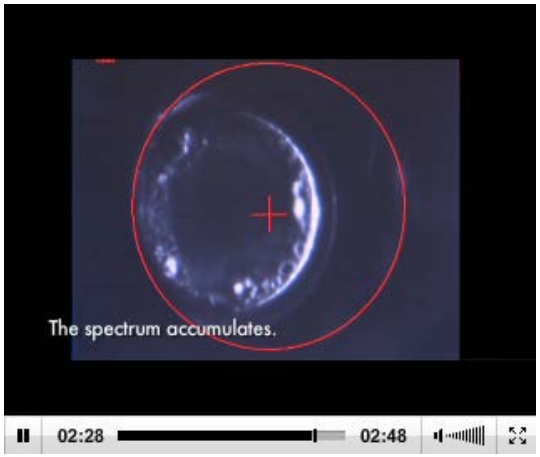
The 5D Process – “Design”

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

Practical / Lab work 1

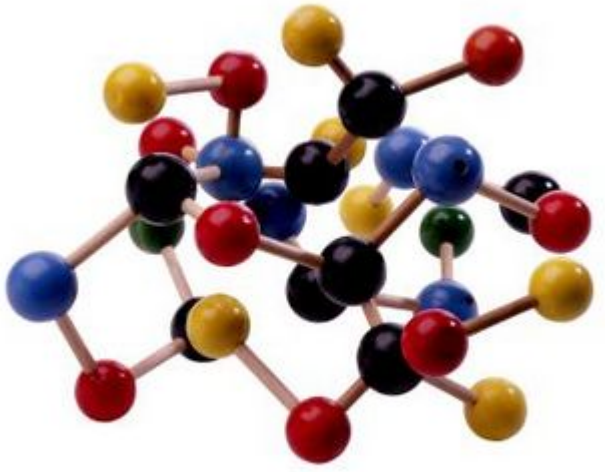
- Lab demo videos
  - Polymer Characterisation
  - Data Analysis Exercise





Practical / Lab work 2

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



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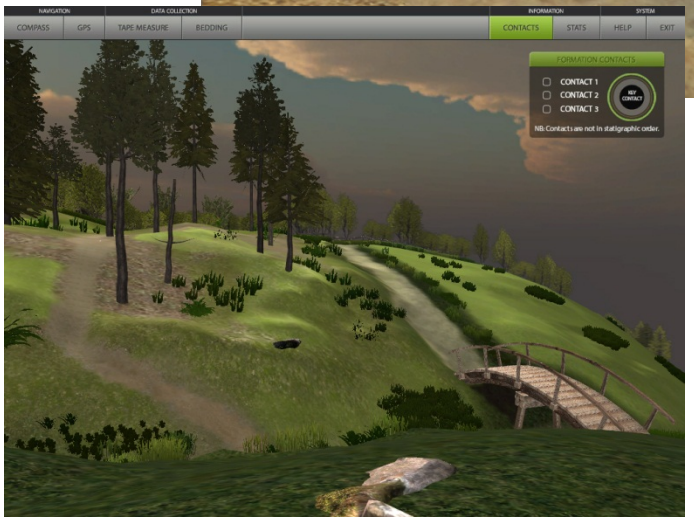
Practical / Lab work 3

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



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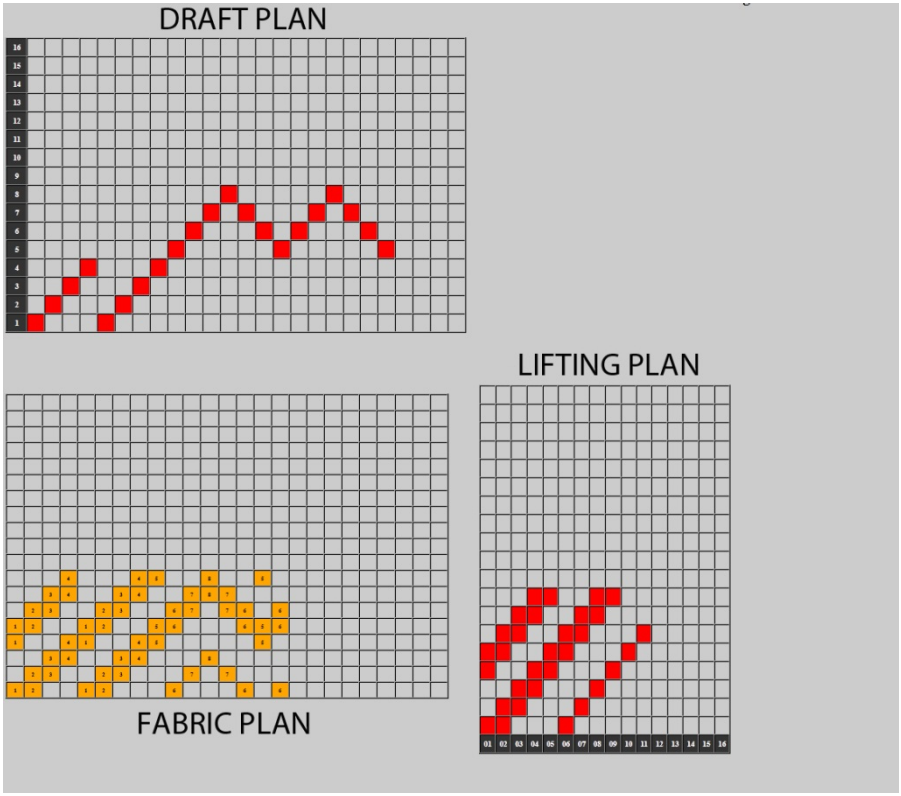
Practical / Lab work 4

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



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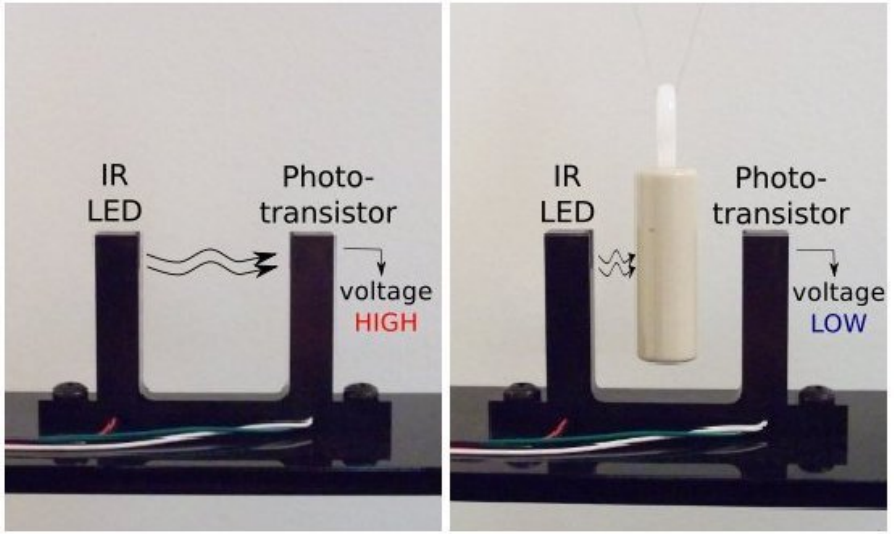
Practical / Lab work 5

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



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Practical / Lab work 6

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

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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

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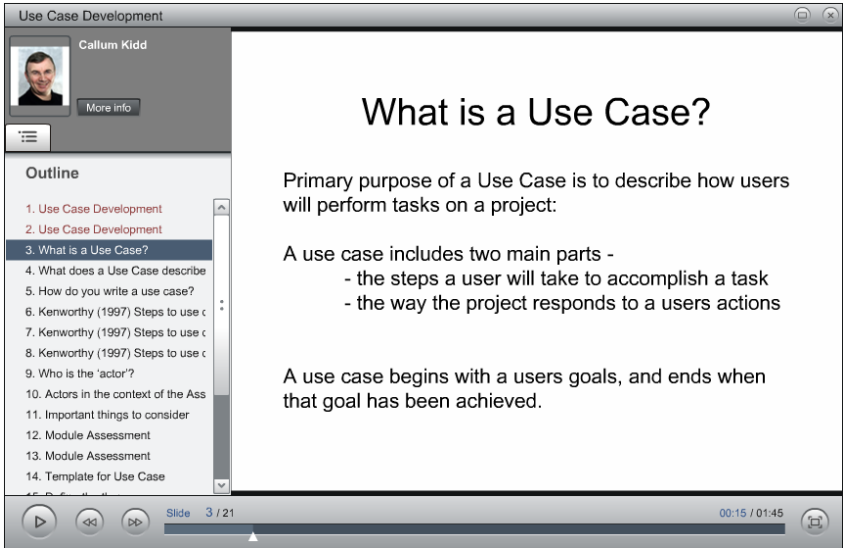
Lecture Capture

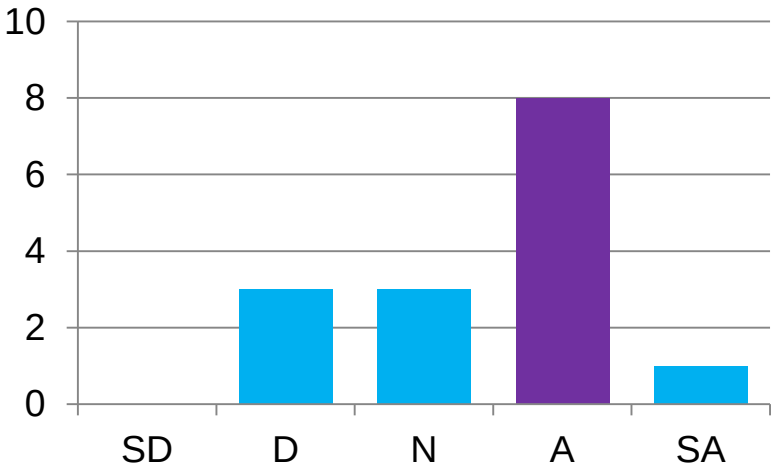
Narrated Slides



Video

Problem-based Learning

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



My group was able to collaborate effectively online.

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The 5D Process – “Deploy”

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

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The 5D Process – “Deliver”

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

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Critical Success Factors

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

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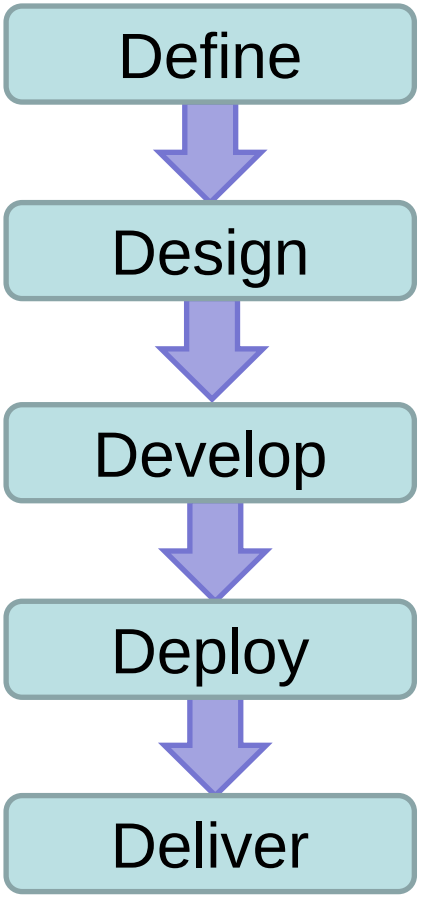
The 5D Process