Designing online, educational games about: Microbes, Hand and Respiratory Hygiene and Prudent Antibiotics Use for Junior Pupils in Europe

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Project Introduction
- The e-Bug project is a European-wide, EC funded, antibiotic and hygiene teaching initiative.
- We wish to raise awareness of microbes, hand and respiratory hygiene and the benefits of prudent antibiotic use.
- We wish to create an online suite of lessons which will allow availability to junior and senior schools and to a variety of educational settings.

Objectives
- To create a game targeted at suitable for 9-11 year olds.
- To create a game that is enjoyable enough to be played by the audience in their own time.
- To create a game which compliments but can be used independently of the e-Bug pack.
- To cover a series of agreed learning outcomes as defined by the project’s domain experts.

Methods
- Regular discussions and meetings with the project’s domain experts to check:
  - Scientific validity of game designs and implementation
  - Focus group and email based feedback of game designs with teachers
  - Examination of popular games and media targeting our audience
  - Regular updates with packs.

Contact Details
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Learning Outcomes
- Introduction to microbes:
  - Living things and fungi are three different types of microbes
  - Microbes are found everywhere
  - Microbes come in different shapes and sizes

Good and Bad Microbes
- Good microbes: we keep us healthy, bacteria are used to make food

Hand, Respiratory and Food Hygiene
- Infection can spread through unclean hands
- Hand washing can prevent the spread of infection
- Infection can spread through sneezing and coughing
- Cleaning or coughing in your hands can spread infection
- Microbes can be found on our food and can transfer to humans
- Cooking food properly can kill harmful microbes.

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Future Work
- Further players to refine gameplay
- More realistic draft with project scientists for approval
- Formal evaluation from September 2008 in UK, Czech Republic and France

We are also creating game content to complement the e-Bug Senior School Pack targeting 13-15 year olds. This is currently being developed and will be implemented to draft level by July 2008.

Demo at ECCMID 2008
- If you fancy seeing the game in action or asking any further questions, then please come to our demo!

When: Tuesday, 22nd April 2008, 13.30
Where: The NeLi Exhibition Stand