Centre of the Cell

Science Comes to Life

ICMS Initial Ideas

- Showcase Research
- Your amazing body
- No illness or disease

Front End Evaluation

- Disease and Medicines
- Knowledge
- Teachers
- Culture

The Audience

- Primary Audience
  - Children Age 9 – 16 from Tower Hamlets, Newham and Hackney
- Secondary Audiences
  - Post 16
  - Families
  - London and beyond

Top Level Message

The cells in your body work together to keep you healthy

When you are ill your cells have gone wrong; people here at QMUL and all around the world are trying to find new ways of putting cells right

Further consultation

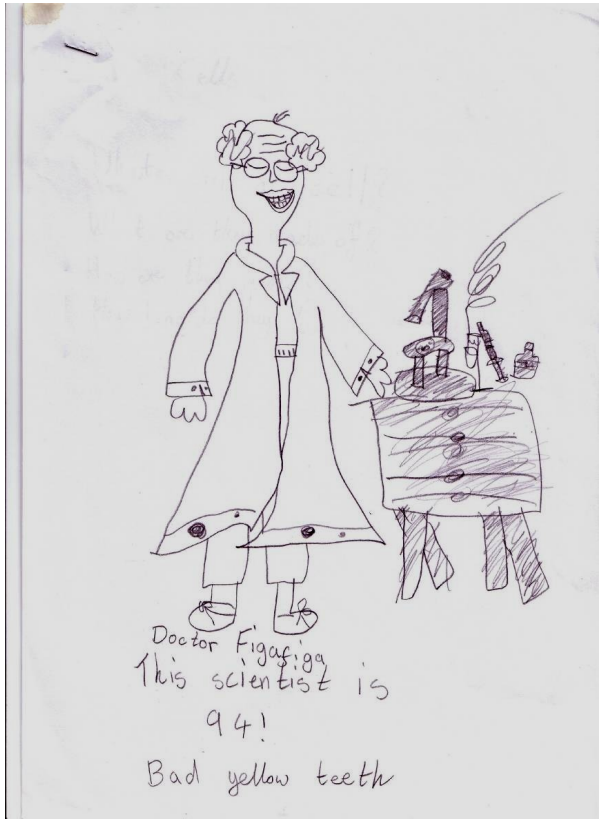
- Scientists
- Curriculum

The experience

Cartilage

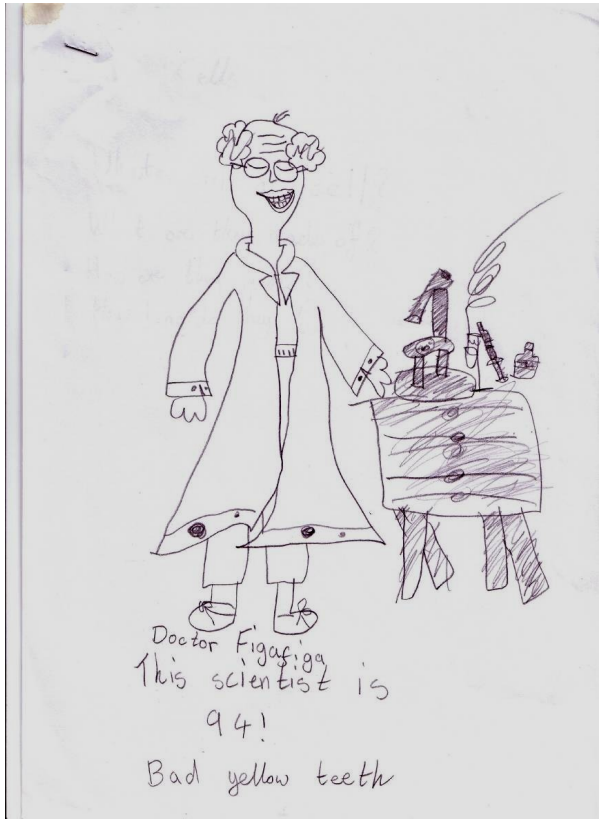
- Y10s make animation

Learning Aims



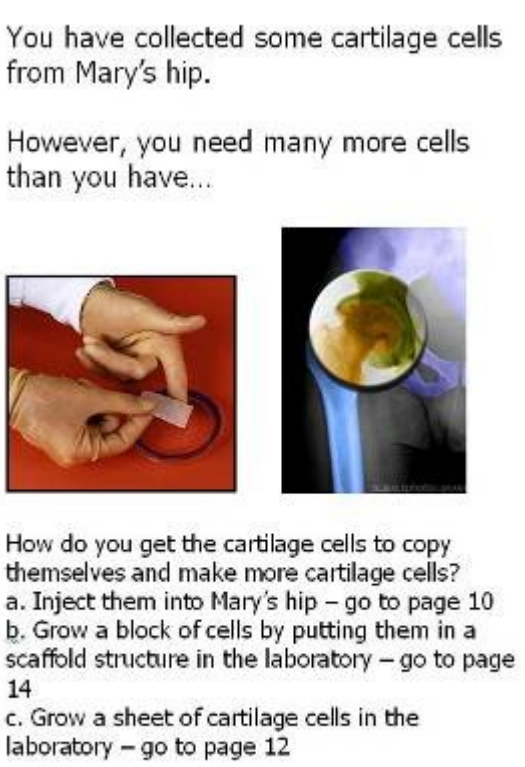
- Your body can't replace cartilage tissue if you damage it because adult cartilage cells only make new cartilage tissue very slowly
- Scientists use tissue engineering to grow body parts to help your body heal

Evaluation



- Classroom workshop
- Evaluation Report
  - *Students were not interested in knee injuries or cartilage. The introduction of knee injuries caused the students to switch off completely.*
  - *When the example of the knee was played down and the activity focussed solely on the concept of bio-engineering the students were much more interested and engaged.*

Web game

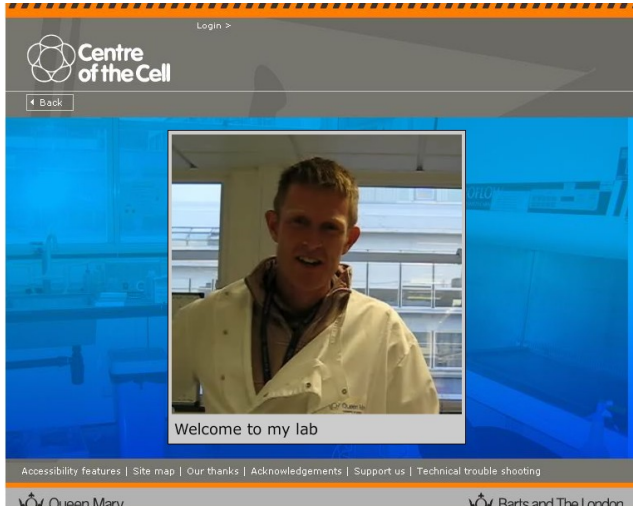


- *Students were not fascinated by this topic but most were engaged in the task. They enjoyed making choices and the activity often prompted discussion and questions.*
- *Students were motivated to complete the task and keen to get the correct answers. They often repeated the task several times to see the different results and find the best options.*

Web game

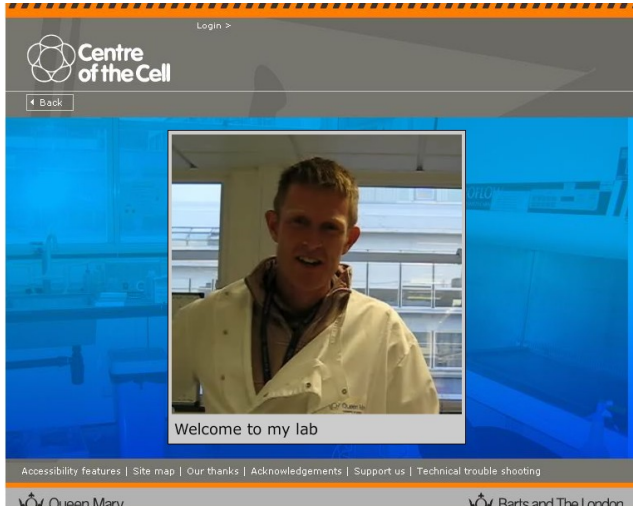
- Developed prototype based on all previous evaluation input
- Scientist input

Prototype Evaluation



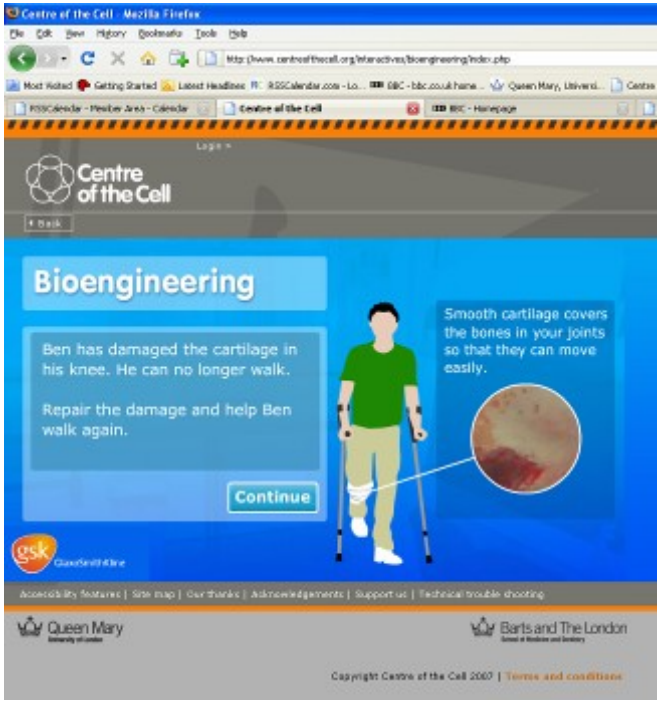
- Learning Aims
- Usability

Develop Final Game



- Evaluation input
- Scientist input

Live on website



- Post-opening evaluation