

X-plor-IT

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Exploratorium

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STEM-ulator

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3D Interactive Cartoon

# Background

- ▶ AS&TS Trust
- ▶ proSET initiatives
- ▶ Areas that serve across range of professions
- ▶ STEM education
- ▶ One of the many pieces in the jigsaw puzzle
- ▶ Stimulate an interest in the natural and the built environment
  - at early high school
  - university course selection
  - Careers guidance

# History

- ▶ SAICE (Civils) ‘cartoon’
- ▶ 2D modernisation
- ▶ Addition of simple gif animations
- ▶ Addition of photos, diagrams
- ▶ Identification of possible platform styles
- ▶ Attract additional funding from external sources
- ▶ First move into simple 3D interactive world

# Design Criteria

- ▶ **Prototype**
  - Fit onto an 8GB memory stick
  - Focus content on general interest items
  - Provide access to a world beyond their environment
    - Out of reach – physically/visually
    - Out of reach – internally
  - Minimise text, maximise diagrams
  
- ▶ **Phase II (internet access)**
  - Hyperlinks to richer resources

# Future – short-term

- ▶ We have the makings of a gaming backbone
  - that will improve and mature
  - need to bulk up the content
- ▶ proSET members now offered the opportunity to identify suitable material from within their membership
- ▶ Elevate the project to the next level
  - promoter and manager
- ▶ Endorsement to allocate more seed funding

# Future – long-term

- ▶ Attract funding on a grander scale
  - manufacturers supplying or sponsoring content
  - sponsors for distribution of the memory sticks
- ▶ Link into richer content on the internet
  - e.g. YouTube

# Notes

proSET represents SET institutions and professions.

Whilst they represent their respective fields, they share common interests and concerns which proSET can address.

One of these is the number and quality of students in the STEM pipeline.

We have put together a concept that intends to stimulate an interest in the natural and engineering world.

This presentation is to share with you this idea and the progress to date.

But more importantly to seek your participation in providing content that we are sure already exists and just needs to be discovered.

THANK YOU!

