

# CS5245 Project Proposal

**Team Members:** Liu Shenyang, Rong Fang & Justin Wong

## **Title**

Tragedy at NUS

## **The Effect**

1. Video Mapping
  - A short video clip is super-imposed on the wall of S16
2. Motion Tracking
  - View of space shuttle falling to Earth from within the cockpit
3. Integrating CG objects with real objects and scene
  - The falling shuttle crashes into the NUS field
4. CG Animation
  - The glass windows of S17 shatter when the shuttle crashes

## **The Story**

John is watching the news shown on the wall of S16. The news presenter mentions that the space shuttle Columbia's engines have failed during a space mission and begins to fall towards Earth. The view changes to that from within the cockpit falling through space towards Earth and then falling through the clouds. John is shocked at the news, then he suddenly notices a speck in the sky, getting bigger and nearer with every second. The speck turns out to be the falling shuttle. Soon after, the shuttle crashes into field in a huge explosion causing the windows of S17 to shatter. The whole scene is engulfed in smoke...

## **What is the Input?**

- 1) News clip
- 2) Video of the John standing near S16, staring at the wall.

- 3) Video of the view from the shuttle's cockpit
- 4) CG animation of the shuttle, explosion, shattering glass and smoke

## What is the Output?

A video sequence showing the composition of all the input elements to form the story.

## How Many Layers?

3 Layers

- 1 layer is the news clip
- 1 layer is actual scene
- 1 layer consists of all the CG objects

## Who will do what?

Proposal:	Everyone
Filming:	Everyone
CG Animation:	Shenyan
Maya Modeling:	Rong Fang
Tracking Points:	Justin
Compositing:	Everyone

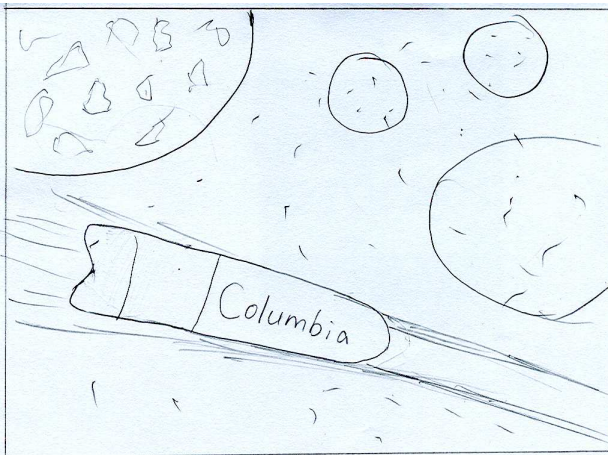
## Timeline

- Week 4 Project Proposal.
- Week 5 Submit Proposal.
- Week 6 Filming
- Week 7 to 9 CG Animation, Maya Modeling and Tracking points
- Week 10 Compositing
- Week 11 Post Production
- Week 12 Project Presentation

## Storyboard

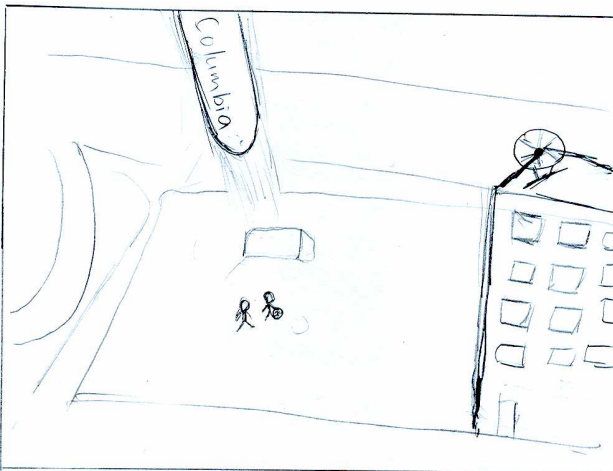


Scene 1: The student are looking at the news show. The news presenter mentions that the space shuttle Columbia's engines have failed during a space mission and begins to fall towards Earth.

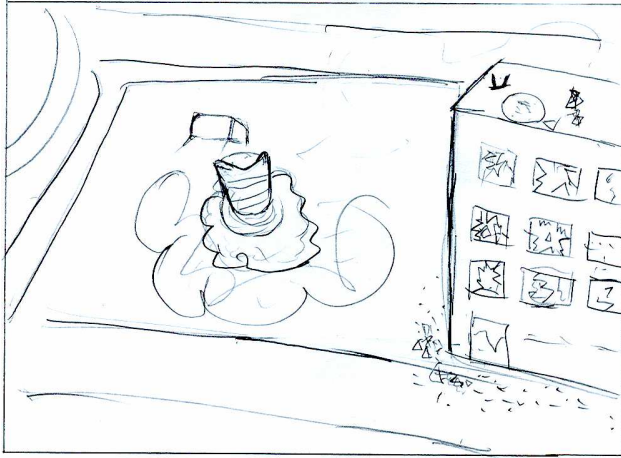


Scene 2: The cockpit falling through space towards Earth and then falling through the clouds.

*(The camera view should be from the cockpit. The drawing is not accurate.)*



Scene 3: The shuttle is falling into the grass ground, near soc1 building.



Scene 4: The shuttle crashes into field in a huge explosion causing the windows of S17 to shatter. The whole scene is engulfed in smoke...