



CS5245

PROJECT PROPOSAL

SNOWY DREAM

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1. The Title

We have titled our project as “Snowy Dream”.

2. The Effect

Freezing a human body and breaking him apart into fragments.

3. The Story

The story is set in a seminar room where Danny finds himself sitting in class and feeling sleepy listening to the lecture just like any other day. What makes that very day different was that the air conditioners were exceptionally cooling and even with his jacket on, he still felt really cold.

Just when the lecturer was showing a movie depicting a snowy scene on the screen, it started snowing around him and there was even snow being blown out of the screen. The lecturer, Professor Travis was explaining in front of the screen with his laser pointer when a gush of cold wind blew, freezing him on the spot. Soon enough, Danny saw his lecturer tipping over the stage and falling onto the floor, all shattered into pieces.

Suddenly, came a loud voice, “Danny! The lecturer is asking you a question!” He was shockingly awakened from his dream. His shattered lecturer was all, but a dream in his icy cold dreamland.

NOTE: For a clearer idea of the storyline, please see the Appendix for the storyboard.

4. Production Ideas

The main special effect that we will be accomplishing in our video would be to simulate freezing of a human body and then shattering it. To do so, we plan to model a 3D human body, then with Maya's Blastcode plugin to break apart the 3D human model, and finally using rigid body simulation to realistically illustrate the pieces of fragments falling to the ground.

In order to integrate the 3D model with the scene, we will be using Matchmoving. To make it look realistic, we will also be using motion blur and advanced lighting.

Some other special highlights in our video include:

- Snow landscape in the seminar room
- Snow on the rest of the students in the seminar room
- Video in a video

4.1 Scene Sequence

- The opening sequence will depict a medium close up with Danny sitting in the seminar room, feeling cold and sleepy and listening to the lecturer.
- Extreme wide shot of Professor Travis on stage giving a video presentation.
- Extreme close up of the thermostat showing a temperature of -18°C.
- Medium close up of Danny feeling extremely cold and pulling up his jacket's zipper.
- Medium close up of Professor Travis will then show a movie of a snow cap mountain.
- Wide shot of other students in the room and seeing snowflakes falling from the top of the seminar room.
- Wide shot, over shoulder of Danny overlooking the students and seminar room covered in snow.
- Medium close up of the snow blowing out of the screen and CG animation of Professor Travis freezing and tipping off to the floor, shattered to pieces.
- Wide shot of Danny's friend shouting at him and shaking him.
- Extreme close up of Professor Travis' angry face.

5. Roles of Team Members

The table shows the roles and responsibilities taken up by each member in the team.

Name of Team Member	Roles and Responsibilities
Ho Weiren Travis	<ul style="list-style-type: none">• Matchmoving• Rigid Body Simulation• Blastcode• Conceptual Design• Computer Graphics Animation
Li Yuanxue	<ul style="list-style-type: none">• Storyboarding• Maya Modelling• Live Video Shooting• “The Making Of” Video• Audio Elements and Narration• Conceptual Design• Digital Compositing
Wong Wang Yui Joanna	<ul style="list-style-type: none">• Live Video Shooting• Maya Modelling• Finding Actors, Casting and Equipment• “The Making Of” Video• Project Proposal and Progress Reports• Digital Compositing
All	<ul style="list-style-type: none">• Presentation

CS5245 Vision and Graphics for Special Effects

Travis Ho, Li Yuanxue, Joanna Wong

6. Project Schedule

Week	Description of Task
Week 5	Brainstorming, Conceptual Design, Storyboarding, Project Proposal
Week 6	Finding Actors, Casting and Equipment, Booking of Filming Location, Audio Elements and Narration
Recess Week	Live Video Shooting, "The Making Of" Video Shooting, Maya Modelling
Week 7	Live Video Shooting 2 (For changes etc.), "The Making Of" Video Shooting, Matchmoving, Rigid Body Simulation
Week 8	Project Progress Report, Blastcode
Week 9	Digital Compositing, Integration
Week 10	Editing of "The Making Of" Video
Week 11	Integration, Project Presentation Preparation
Week 12	Integration, Project Presentation Preparation
Week 13	Project Presentation

7. Appendix

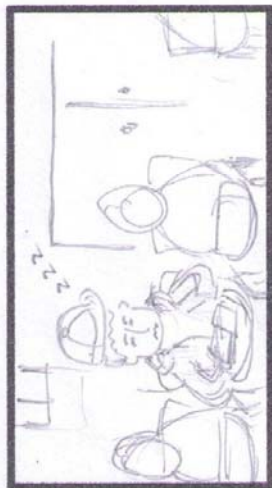
PRODUCTION: / /

SCENE INFO page

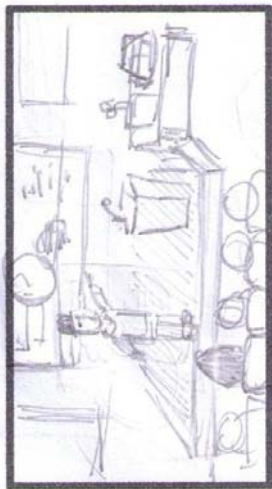
STORYBOARDS 1.66:1 ratio

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HBS: OS Penny sitting in the seminar room feeling sleepy & cold



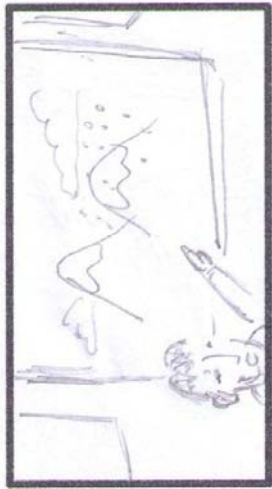
HBS: Prof Travis giving a video presentation on stage (Scene slowly blur out) (Going into dreams)




CP: Temperature drop on the air-con indicator from 18°C to -18°C



HBS: OS Penny feeling extremely odd he decides to pull up his jacket



HBS: Prof Travis showering a snowing video clip



HBS: Suddenly the seminar room is over with snow & snow flakes starts falling from the top.

PRODUCTION:

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SCENE INFO

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WS: (from Denny POV) this snowing heavy, the stage & students are covered in snow & cold winds are blowing out from the projector screen



FBS: (side view) Prof. Travis made a turn to face the projector screen when suddenly a strong breeze of cold air rush against him



FBS: Prof. Travis starts to freeze and tips off the stage



CP: The frozen body fall onto the floor & shatter into pieces



US: (Screen-fade in) Denny's friend shouting his name, attempting to wake up Denny



XCU: Denny eyes open to see that prof. Travis standing in front of him with a angry face.

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