

**Institute of Systems Science  
National University of Singapore**

**Master of Technology (Software Engineering)**

**CS5245**

**VISION AND GRAPHICS FOR SPECIAL EFFECTS**

**Project Proposal**

Course Instructor

**ASSOC PROF LEOW WEE KHENG**

Prepared By

<b>No</b>	<b>Name</b>	<b>Matric No</b>
1.	Huang Liang Hong	HT052428X
2.	Wang Yi	HT052396N
3.	Lee Chai Hua	HT052404R

## **Project Title:**

# *Lord of the Pen*

## **Project team members:**

Huang Lianghong (HT052428X)

Lee Chai Hua (HT052404R)

Wang Yi (HT052396N)

## **Overview**

Human being always wishes to have some extraordinary power. This project is to illustrate how this extraordinary power can be exploded with the help of a mystery pen.

## **Special Effect**

The main special effect will be a conic object coming from the cracking road high up into the sky.

To achieve this effect, the conic object and the cracking road will be modeled using 3D modeling software. The dust effect will be modeled using particle system in the 3D modeling software. The video will be composed in 3D modeling software and then clipped and further composed using Adobe AfterEffects. The titling camera containing moving conic object will be composed using MatchMove.

# Storyboard



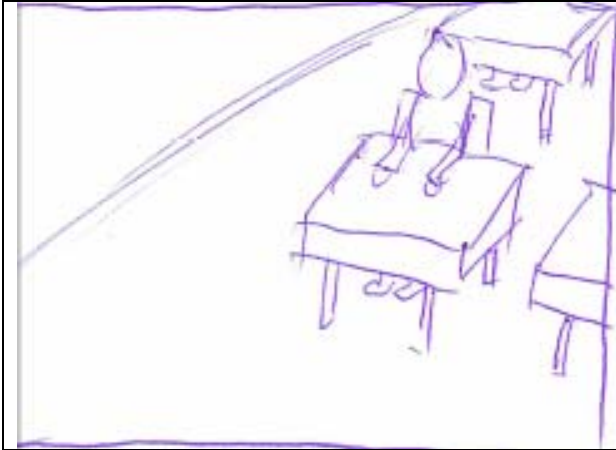
The main actor (a student) is walking towards a classroom.



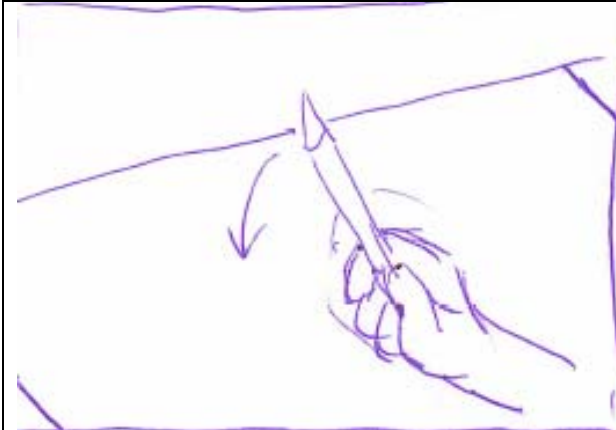
Suddenly he spots a pen with a pen cap is lying on the floor.



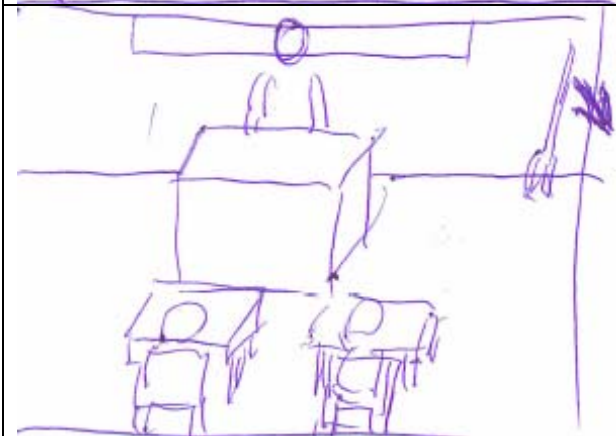
He picks it up and then goes for his class.



He is having his class.



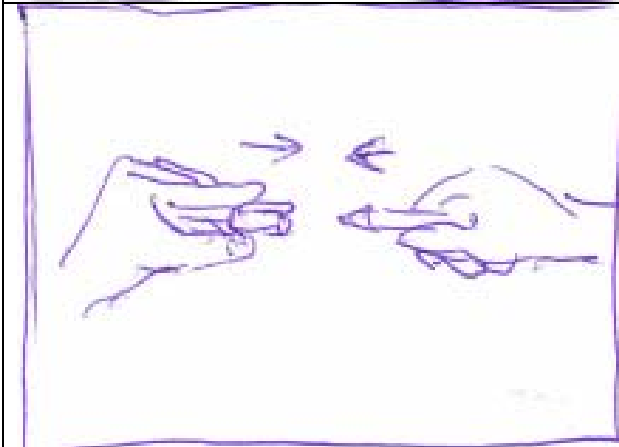
He is playing with the pen. And somehow he drops the pen from his hand onto the desk.



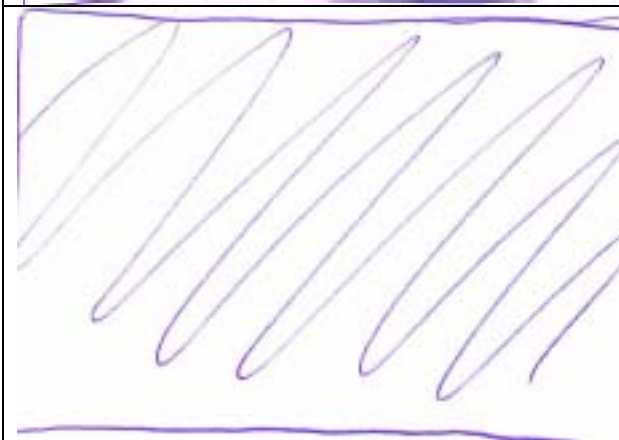
Immediately he notices the mop leaning on the wall falls down onto the ground too.



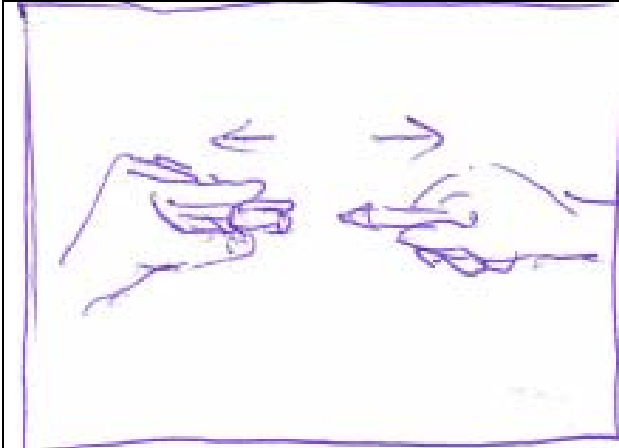
He feels surprised. But he has a coward personality so he just sinks his head to make himself unnoticeable.



Later on, he plugs in the pen into the pen cap.



The classroom immediately has all its lights off.



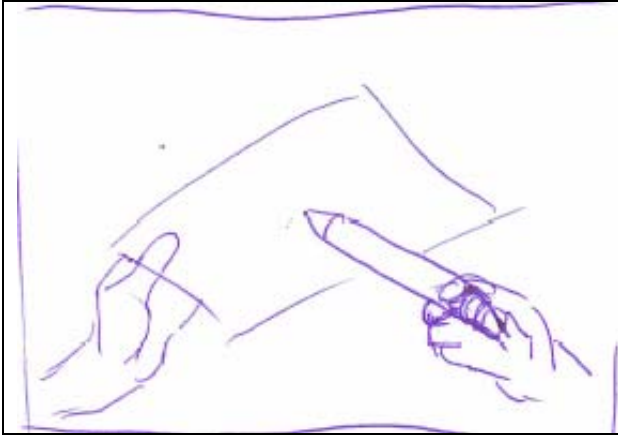
He quickly pulls the pen out of the pen cap. The light comes back again.



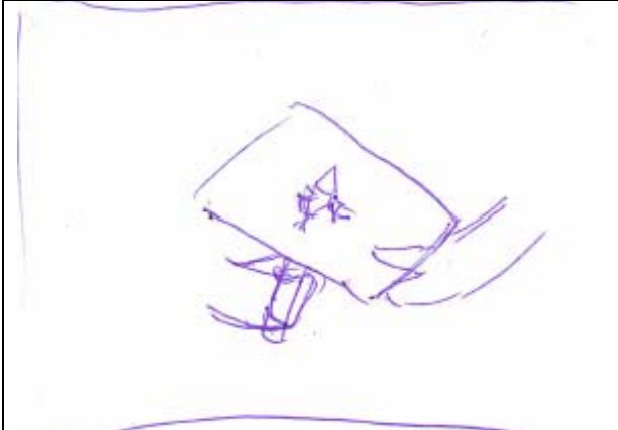
He feels more surprised.



He keeps listening to the lecturer.



And he is playing with the pen again. And somehow he puts the pen towards a paper.



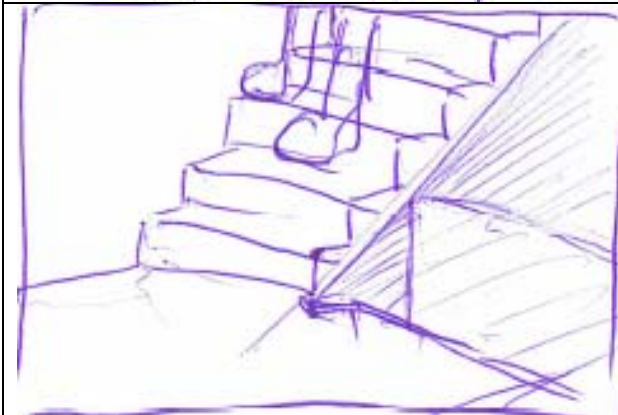
Not paying attention to what he is doing, he pokes the pen into the paper and causes the paper damaged.



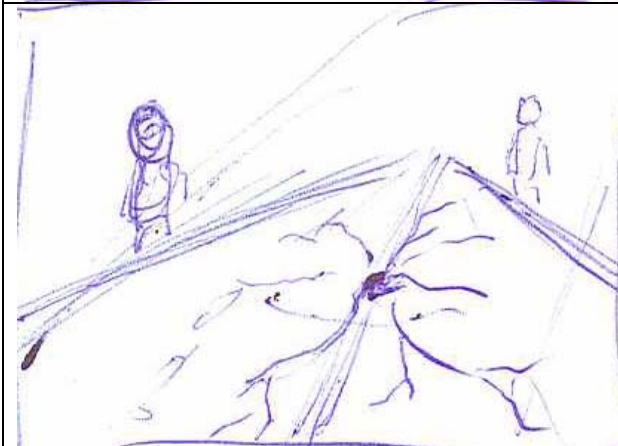
He thought there will be some consequences. But there is not any.



Soon the lecturer finishes his lecture and dismisses the class.



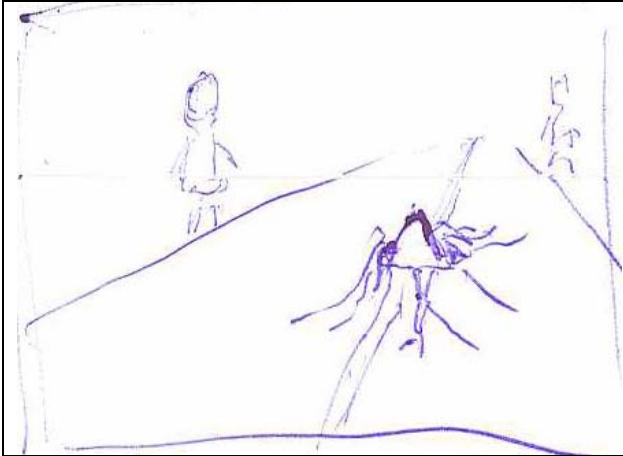
The main actor goes down to the ground floor.



He begins to walk on the campus sideway.

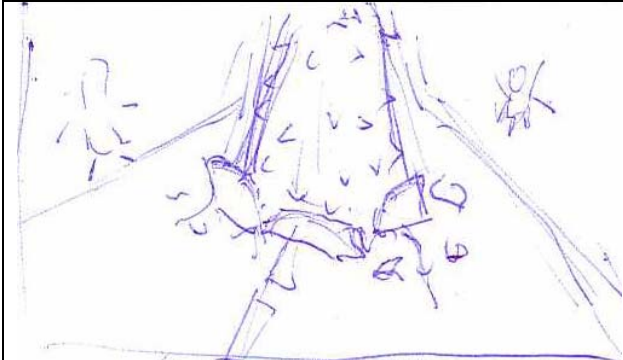
Suddenly the earth is shaking, and then in the middle of the road there are some cracks quickly generated.





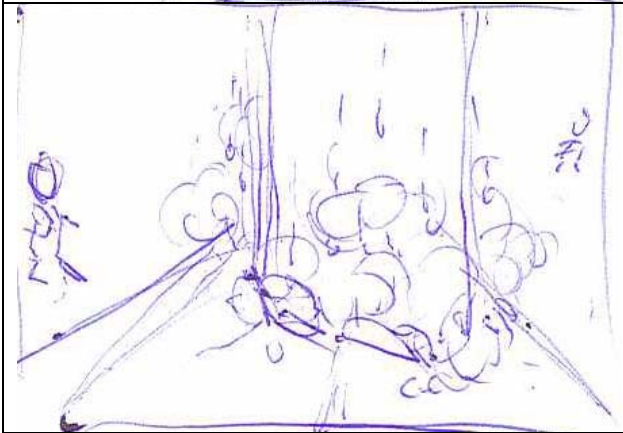
A conic object begins to come out from the cracked road.

Other passengers also have noticed this strange happening.



The conic object continues to come out of the cracked road and becomes thicker. The cracks on the road are more and larger.

Passengers are scared.



The conic object continues moving out of the road. Dust and small stones are everywhere.



[Camera is tilted from the ground to the sky.]

The conic object almost reaches the sky (some clouds are there), and its head is swinging.



The main actor feels extremely surprised.



He realizes all these are because of the pen he picked up. Very quickly, he throws this pen off.

The End

The end

## Work distribution

Member	Task Assigned
Huang Lianghong	<ul style="list-style-type: none"> <li>✓ Acting and shooting video</li> <li>✓ Animation of the object ground and dust</li> <li>✓ Digital Composition</li> </ul>
Lee Chai Hua	<ul style="list-style-type: none"> <li>✓ Acting and shooting video</li> <li>✓ Digital Composition</li> <li>✓ Documentation</li> </ul>
Wang Yi	<ul style="list-style-type: none"> <li>✓ Acting and directing video shooting</li> <li>✓ Object design and modeling</li> <li>✓ MatchMove editing</li> </ul>

## Schedule

Timeline	Task
Week 5	Brainstorm and list out the project ideas
Week 6	Decide the project topic, finalize and submit project proposal
Week 7	Plan our shoot and object preparation. Start Filming.
Week 8	Video editing and prepare first project progress report
Week 9	Matchmove editing, compositing and adding special effect
Week 10	Matchmoe editing, compositing and adding special effect
Week 11	Video editing, special effect and prepare second project progress report
Week 12	Create making of video, finish all related video effects and documentation.
Week 13	Project presentation and submission. Task accomplished.