

"ANI-MEL" DISRUPTIVE TECHNOLOGY IN THE LAB



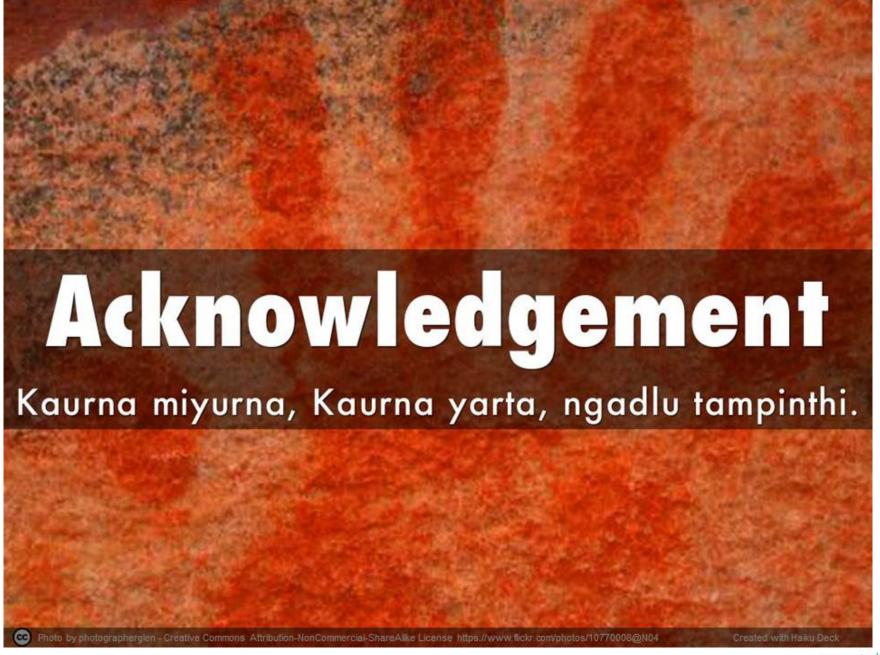




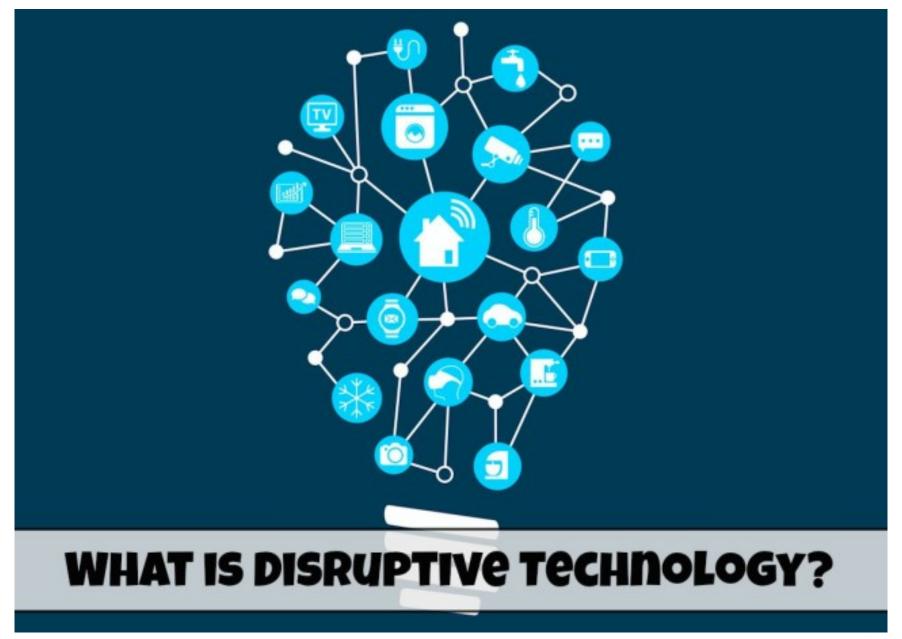














PHOENIX RISING FROM THE ASHES



HINDU DEITY LORD SHIVA





PROFESSOR CLAYTON M. CHRISTENSEN





DEFLECTION AND BENDING RIG





ORIGINAL PRACTICUM





AUTOMATED DELIVERY PRACTICUM



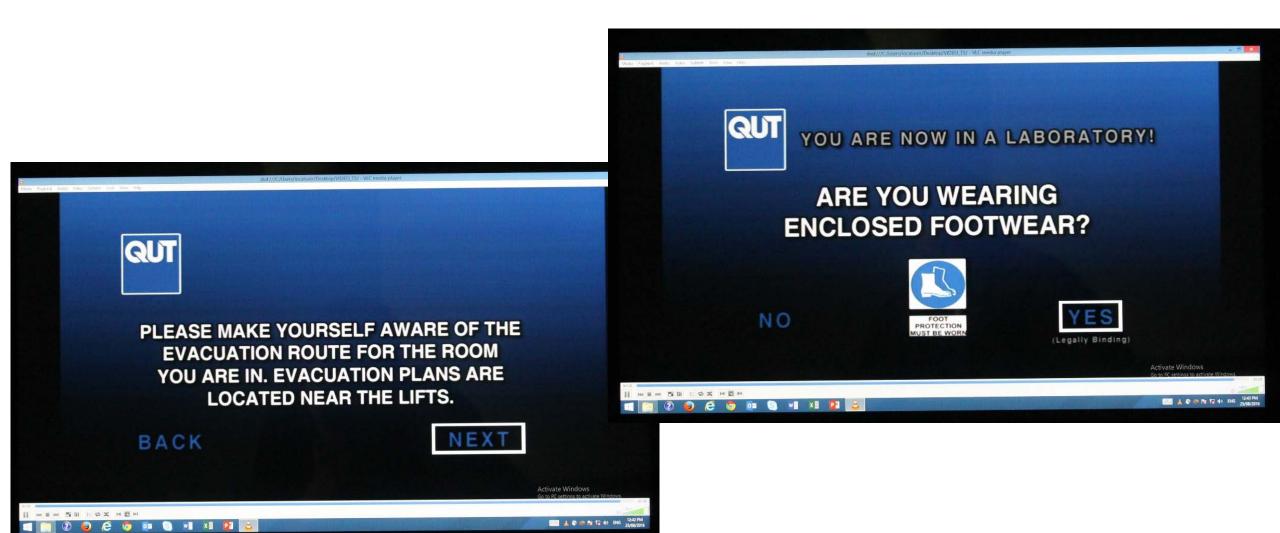


INTRODUCTION SCREEN





HEALTH AND SAFETY CHECKLIST



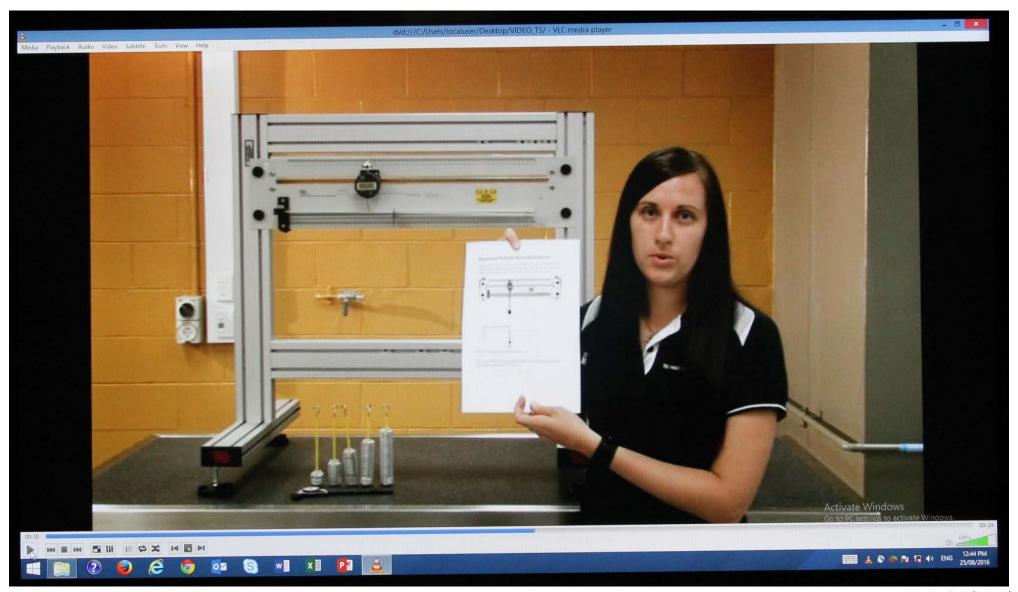


EXPERIMENT INTRODUCTION SCREEN

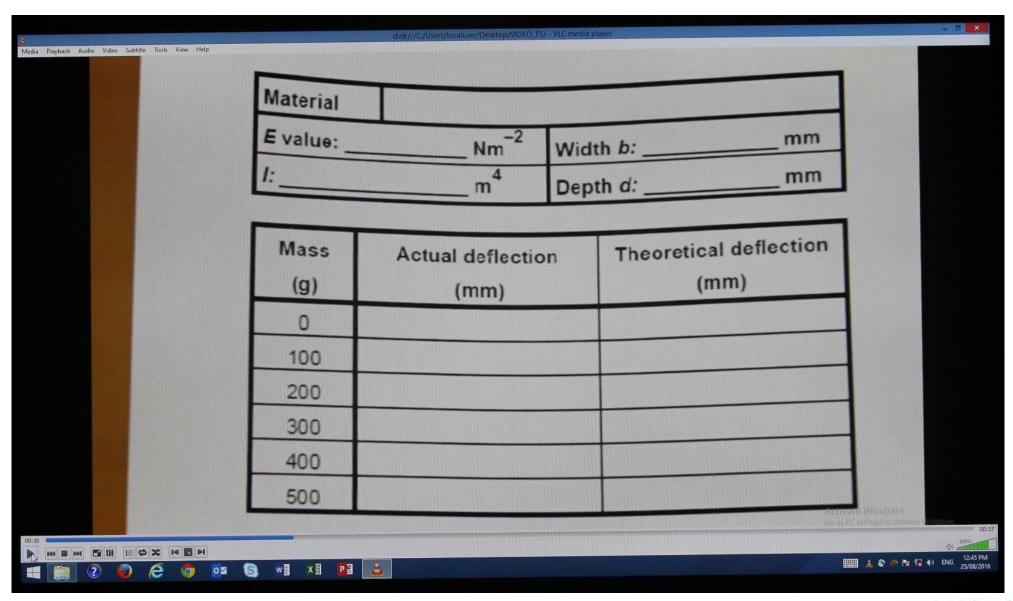




WORKSHEET EXPLANATION

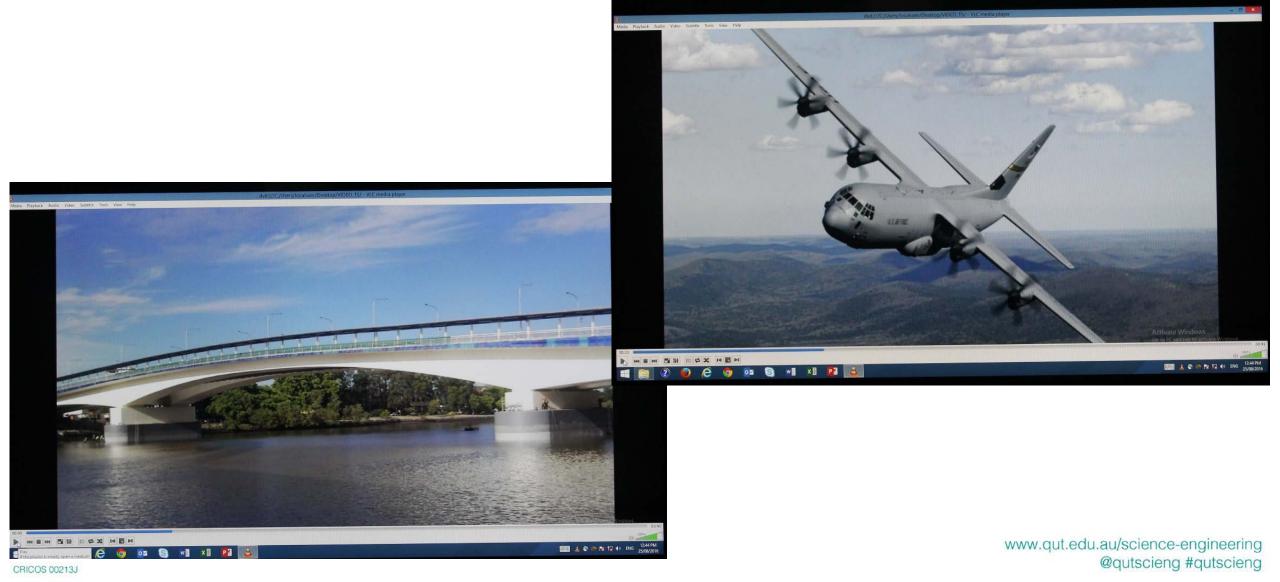






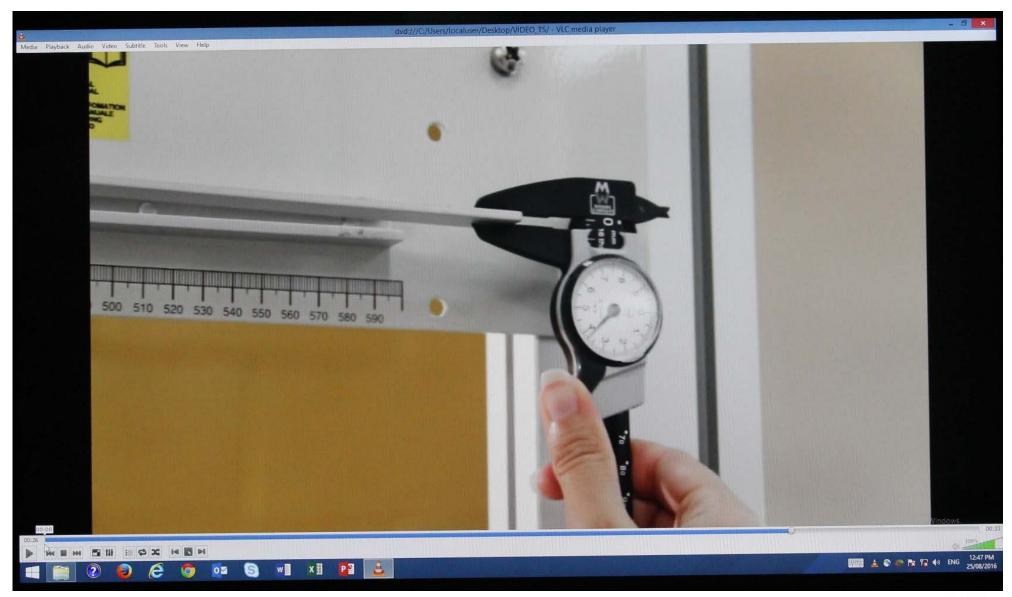


EXAMPLES OF BEAM SHAPES



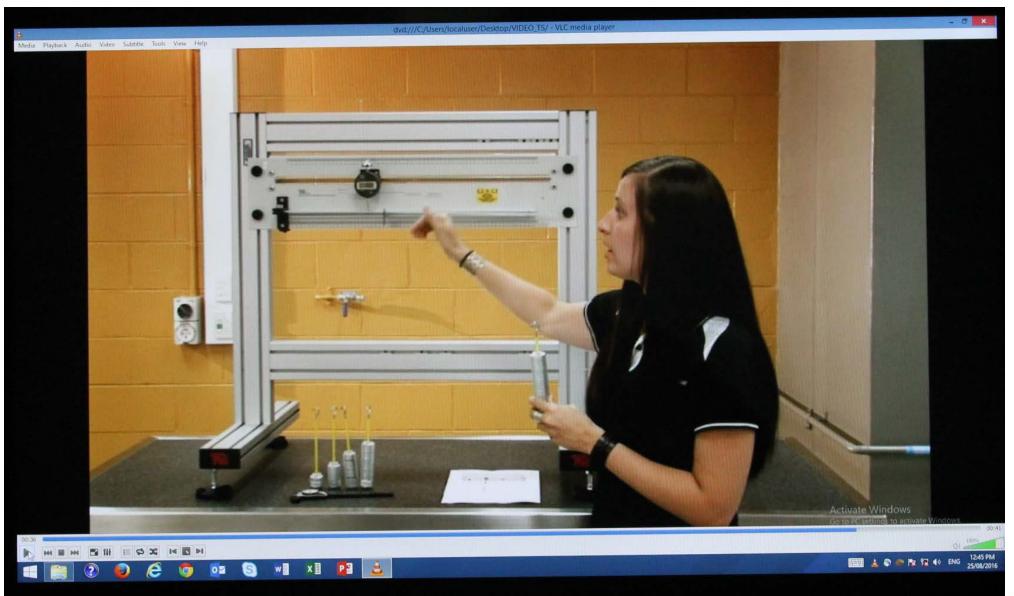


MEASURING THE TEST SPECIMEN





LOADING THE TEST SPECIMEN



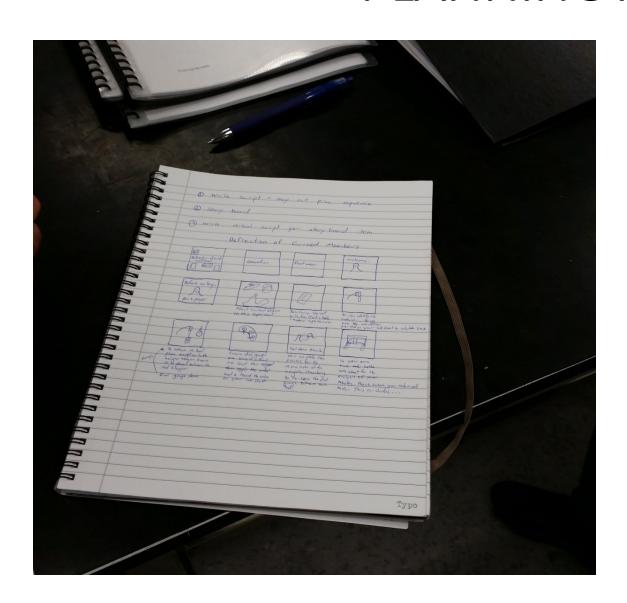


A STUDENT USING THE VIRTUAL DEMONSTRATOR





PLANNING AND DESIGN







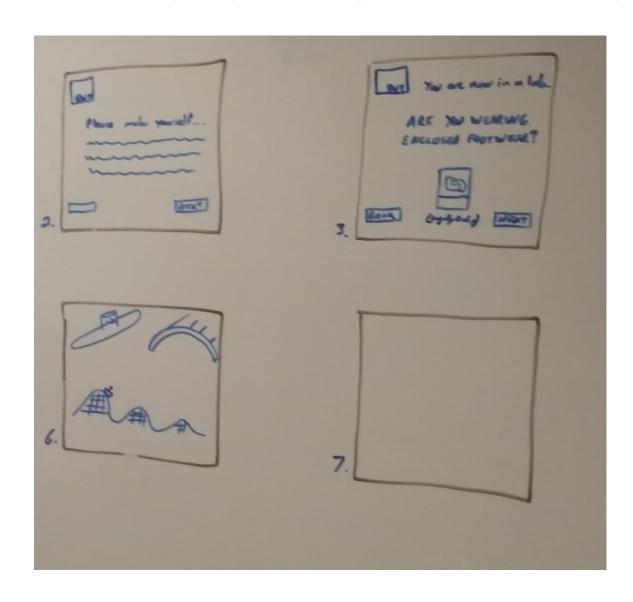
STORYBOARD PLANNING







STORYBOARD AND SCRIPT INTEGRATION



me to the deflection of curved beams practical. This is a self paced iment that will take approximately 20 mins to complete. My name is Mel I will be leading you through the experiment and helping you tabulate the resu can return to the previous step of any time by pressing the back button ceed by pressing the next button, so lets try that now. Press the next but continue. eat so let's get started. Before you continue please ensure you have n or pencil and that you collect the experiment sheet from the base of actical rig. Once this is completed press next to continue. eams come in all shapes and sizes, in this experiment we will be investigating ne load characteristics of curved beams. Curved beams are used in many applications. rom stadium roofs, to submarine superstructures or even a roller coaster track + it is mportant to recognise that a curved beam acts in a unique manner when placed loaded state. To achieve this we are going to apply a range of weights on his curved member and then measure the horizontal + vertical deflections using



RELATED PEDAGOGICAL THEORY

• According to Holtzblatt et al (2004, pg. 229) the purpose of storyboarding is defined as ensuring "that the team does not overlook any intents and steps that are critical to the work." "Using a combination of pictures and text, it is a great technique for working out the details of how a user will accomplish specific tasks in a new design."



FILMING





FILMING BREAK



Science and GAGNE'S NINE EVENTS OF INSTRUCTION

Gain Attention Present the learner with an introductory activity that engages the learner Inform learners of Objectives Present the learner with the learning objectives Stimulate recall of prior learning Present the learner with an experience that stimulates their prior knowledge **Present Stimulus** Present the learner with the content materials Provide Learner Guidance Present the learner with examples **Elicit Performance** Present the learner with practice activities Provide Feedback Present the learner with practice and feedback **Assess Performance** Present the learner with post-assessment items **Enhance Retention and Transfer** Present the learner with resources that enhance retention and transfer of knowledge

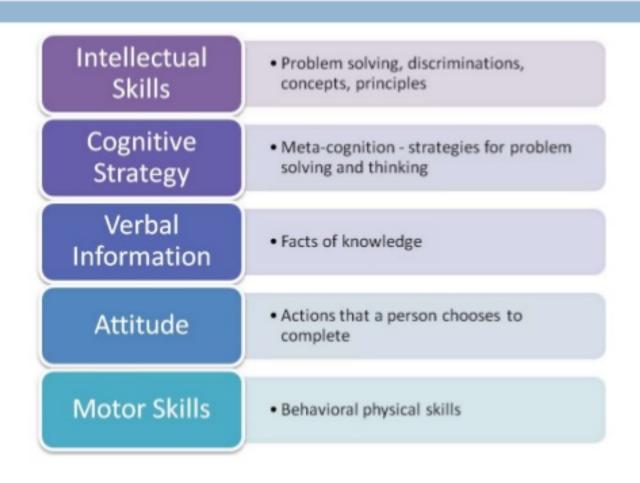
GAGNE (1965)



RELATED PEDAGOGICAL THEORY CONT.

Gagne's Domains of Learning

GAGNE (1965)





SUMMARY OF ADVANTAGES

INCREASED FLEXIBILITY IN DELIVERY TIMES TO STUDENTS.

ALLOWS STUDENTS TO LEARN AT THEIR OWN PACE.

REDUCES THE WORKLOAD FOR DEMONSTRATOR STAFF.



CONSTRAINTS AND LIMITATIONS

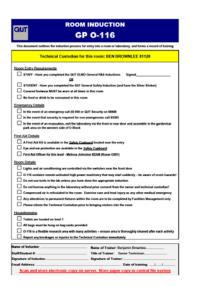
 DESIRED ACADEMIC CHANGES TO CURRICULUM NECESSITATE THE CREATION OF A NEW INSTRUCTIONAL MOVIE.

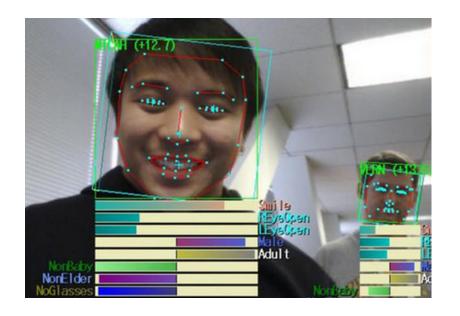
UNABLE TO ANSWER SPONTANEOUS STUDENT QUESTIONS.



FUTURE DEVELOPMENTS

- ADDITIONAL INSTRUCTIONALS
- 'ON DEMAND' ROOM INDUCTIONS
- ON LINE AVAILABILITY
- ANIMATED PRESENTERS
- FACIAL RECOGNITION









REFERENCES

- Bower, Joseph L. & Christensen, Clayton M. "Disruptive Technologies: Catching the Wave" Harvard Business Review, January–February 1995
- Gagne Robert, 1965. The Conditions of Learning. Holt, Rinehart and Winston Publishing
- Holtzblatt et al, 2004. Rapid Contextual Design. Morgan Kaufmann Publishers
- Reinert, Hugo; Reinert, Erik S. 2006. "Creative Destruction in Economics: Nietzsche, Sombart, Schumpeter"
- Schumpeter, Joseph A. 1942. *Capitalism, Socialism and Democracy. London:* Routledge. p. 139. ISBN 978-0-415-10762-4.