



Assessing for quality decision making

Prof Geoffrey Crisp

https://www.zeetings.com/gcrisp























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Peer Review of Teaching

The UNSW peer review of teaching registrations are open for Semester 2, 2017







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Teaching at UNSW

Welcome to the Teaching Gateway. This site is designed to support staff with:

- Learning and teaching,
- · Research into teaching
- Career development



Subscribe to our eBulletin to keep informed on learning and teaching events, news and resources.



We should assess what is important and not what is easy to assess

https://www.zeetings.com/gcrisp







What value do we place on student responses?

The idea that valid and reliable inferences can be made about students' acquisition of 21st century skills through judging responses as correct or incorrect is too simple an approach for the assessment of complex capabilities





Assessment responses

convergent type, in which one correct answer is expected, and divergent responses, in which the answer depends on opinion or analysis (Torrance et al., 2001)

convergent assessment has its origins in mastery-learning models and involves assessment of the student by the master-teacher

divergent assessment is often associated with a constructivist view of learning, where the teacher and student engage collaboratively within Vygotsky's (1986) zone of proximal development



Assessment tasks should be worth doing

- if students can answer your question by copying from the web, maybe you are asking the wrong question
- if students can answer your question by using Google, maybe you are asking the wrong question
- if students can answer your question by guessing, maybe you are asking the wrong question





Assessing 21st century skills

For 21st century skills, our assessment designs need to accept multiple solutions to a problem or issue and provide feedback to students on their chosen strategies that have been used to solve the problem

diagnostic assessment (before learning)
formative assessment (during learning)
summative assessment (after learning)
integrative assessment (future learning)





How I teach

- with technology
- with others
- with inspiration

Where I teach

- anywhere
- collaborative classrooms
- online

How I assess

- authentic
- flexible
- negotiated

Changing assessment practices

Where I assess

- online
- at home
- at work
- in class



Accommont Tack Type

Log/Workbook

Peer Review

Performance

Poster presentation

Portfolio

Practicum/Clinical

Placement

Presentation (individual or group)

Problem Solving

Project

Quiz/Test

Reflection

Report

Self Assessment

Simulation

Student negotiated

assessment Journal

Simulation

Student negotiated

assessment

Research Paper

Thesis

Workshop

Interview

Minutes

Model/Artefact

Modelling (theoretical)

Oral Examination / Viva

Voce

Laboratory/Practical

	Assessment lask type				
Abstract	Literature Review				

Annotated Bibliography

Blog (or weblog)

Case Study

Critique

Debate

Demonstration

Design/Drawing/Plan/ Sketch

Discussion posts

(online)

Essay

Examination mid or end

(invigilated) **Examination mid or end (take**

home)

Exhibition

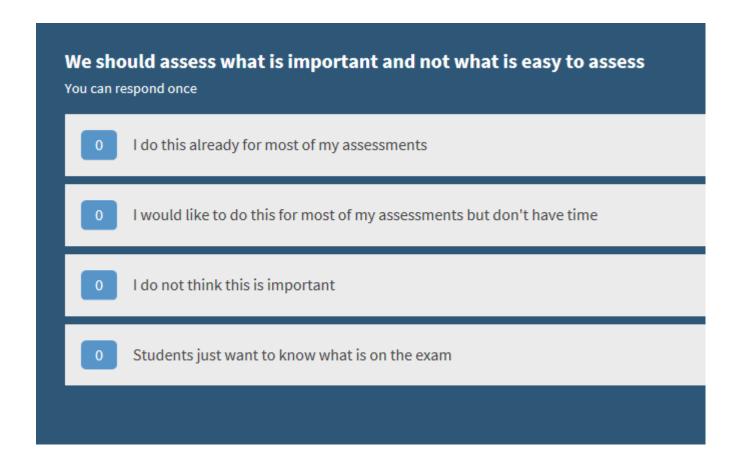
Field Notes/Report

AAGLO - Assessment task by discipline that evidences graduate capabilities

	Business	Chemistry	Drama	Engineering	History	Law	Vet Science	TOTAL
Critical review or essay	2	0	1	1	5	4	1	14
Examinations	0	0	0	0	0	1	4	5
Oral presentation	5	1	1	3	0	1	0	11
Performance	0	0	5	0	0	0	0	5
Reflective piece	1	0	1	2	0	3	0	7
Report	6	6	1	6	0	1	1	21
Tutorial and rehearsal activities	1	2	3	1	0	3	1	11
Work placement	1	0	0	0	0	2	0	3
Working demonstration	0	0	0	3	0	0	0	3
Other	0	0	1	2	1	2	3	11
Multicomponent task	5	0	1	5	1	4	1	17

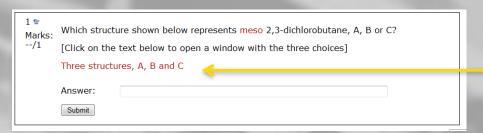


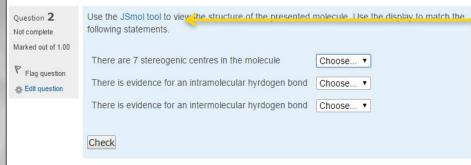
https://pollev.com/geoffreycris472





Quizzes with interactive tools





Use the Periodic Table below to find the element that has the highest first ionization potential

Periodic Table

Select one:

A. CI

B. F

C. P

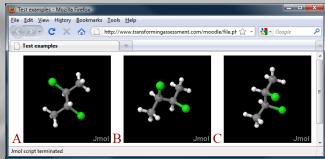
D. Li

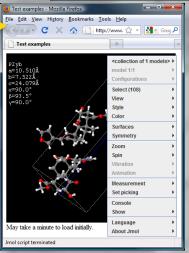
E. K

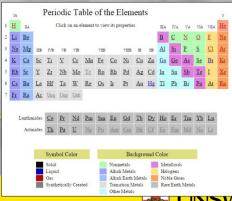
F. Ga

G. Rb

Check









Interactive spreadsheets in assessment

1 🗸

Use the following Excel spreadsheet to match the following statements.

Marks: --/1

[This is a simple example question. See the worksheet by Richard Green for questions relevant to the spreadsheet]

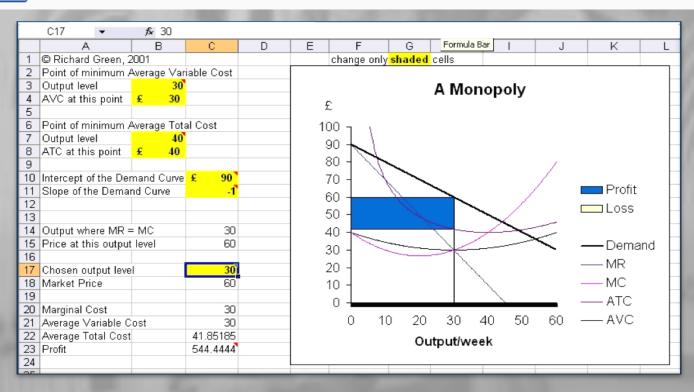
If the average total cost decreases, and all other parameters remain the same

If the chosen output level increases, and all other parameters remain the same

If the average total cost increases, and all other parameters remain the same

Choose...
the profit will decrease
the profit will increase
the marginal cost increases

Submit





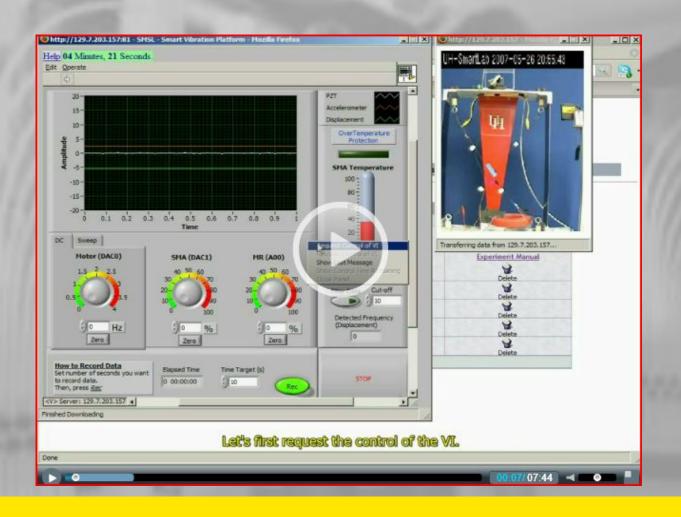
QuickTime VR or YouTube videos

1 ▽ Marks: /1	You are required to construct a 500 word argument that <u>either</u> supports or refutes the statement 'Some historians claim that the Bayeux Tapestry is not an historical record of the Battle of Hastings, but rather it is simply Norman propaganda'.						
	You will need to use this QuickTime virtual reality link to view the Bayeux Tapestry to assist you in selecting and describing two scenes that you will use as the basis for your argument.						
	Click on this link to the assessment rubric to view the marking criteria for this task.						
	Answer:						
	Submit						



Remote Labs

We can rethink the type of questions we ask if students have access to live data and resources in the assessment





Scenario based learning - SBLi





The importance of capturing students' decision points



Deconstruction of intellectual property in a plasmid.

When you have completed this scenario you should be able to:

Deconstruct a plasmid into its components
 Deconstruct a plasmid into its intellectual property components

claims, designated states

can take the introductory tour - this will take about 10 minutes and introduce you to the

The purpose of this scenario is to enable you to apply principles of intellectual property in a biotechnology context and encourage you to think across displinary boundaries.

Understand the functions of parts of a plasmid that will be used for expression of genes in a mammalian system
 Select a plasmid (from a menu of available plasmids) for expression of your chose protein and justify that selection based on intellectual property and technical

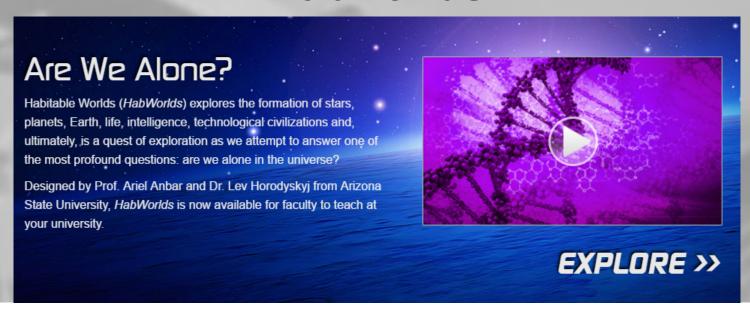
Conduct a patent search using a variety of databases
 Understand and apply fundamental concepts in intellectual property in the context

View the assignment criteria and guidelines by clicking the two docume

Make manufacturing and marketing decisions based on intellectual property considerations
 Design technical and strategic 'workarounds' to avoid infringement of patents

3. Be able to understand the key parts of a patent document including desc

Habworlds



EMPHASIZES LEARNING BY DOING

Students learn by doing as they create and destroy stars, hunt for planets, and search for signs of life. The course features a personalized quest, "Habitable Hunt", where students search a field of stars for evidence of inhabited worlds.

USES ADAPTIVE TECHNOLOGY

Students get unique, adaptive feedback and learning pathways that can adapt dynamically as they learn. Access real-time learning analytics to help you understand your students' responses, misconceptions, and visualize their learning pathways.

GIVES FACULTY CONTROL

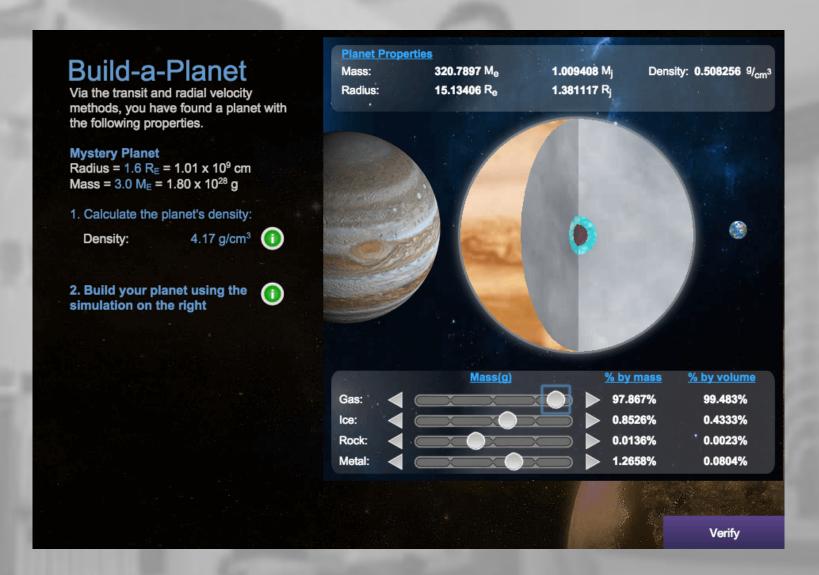
Faculty can create a continuous cycle of improvement for their course. You will get access to a lesson-authoring tool to create and deploy content and real-time learning analytics to analyze how their students learn, so you can tailor the lessons to your students' specific needs.

WIRTUAL FIELD TRIPS

HabWorlds Beyond also includes immersive, media-rich virtual field trips that take students around the world and back in time to explore the limits of Earth's habitability. See a virtual field trip.



https://www.smartsparrow.com/

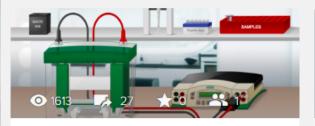




https://www.best.edu.au/

All Formats ▼

Most Recent ▼



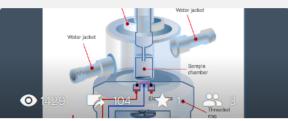


Patsie Polly

Western Blotting

This Western Blotting virtual lab allows students to undertake a virtual western blot and interpret the res...

Western blot, Duchenne muscular dystrophy, Wester...





Louise Lutze-Mann

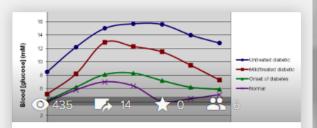
Virtual Oxygen Electrode

An oxygen electrode measures the concentration of dissolved oxygen in a solution. This lesson allows st...

mitochondrial function, Mitochondria, Glutamate, AD...

Search Courseware







Rebecca LeBard

Glucose Tolerance Testing

This short tutorial considers the glucose tolerance test (GTT) in the context of normal and abnormal carbohy...

Glucose tolerance test, biochemistry, glucose, tolera...



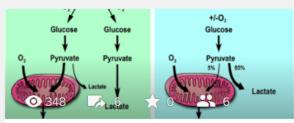


Rebecca LeBard

Nitrogen Metabolism

This lesson mimics a practical class in which a student is asked to assess uric acid concentration in a serum...

Biochemistry, clinical biochemistry, laboratory scienc...





Rebecca LeBard

Glycolysis in Skeletal Muscle

Students are asked to consider the process of glycolysis as it relates to the Warburg effect - as see...

Warburg effect, clinical biochemistry, exercise physio...





Louise Lutze-Mann

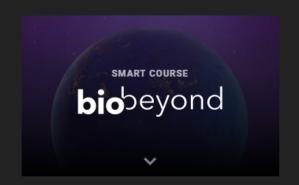
Polymerase Chain Reaction

The PCR virtual laboratory was developed for university students, to supplement or replace the us...

Duchenne muscular dystrophy, Polymerase chain re...

https://inspark.education/

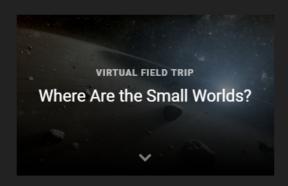
Next Generation Courseware







Infiniscope









https://www.youtube.com/watch?v=-k48udGeiA0





Assessment by design

https://www.youtube.com/watch?v=2W2iKhNZOZ0

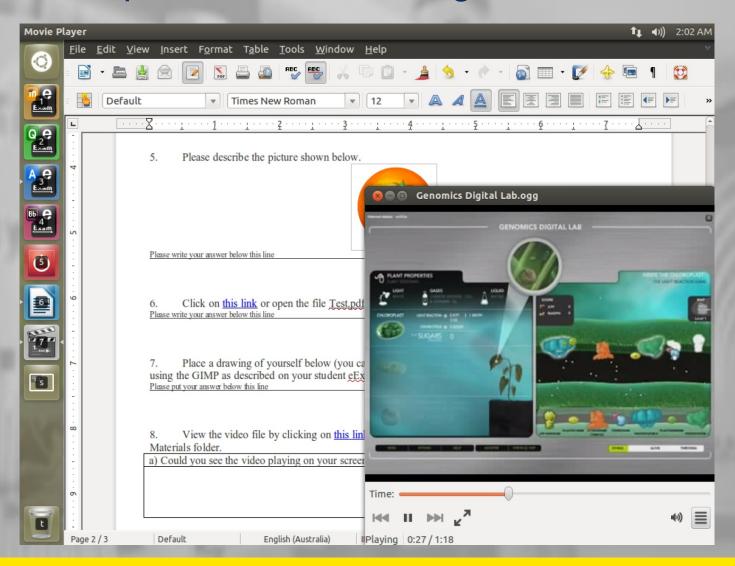


Using negotiated assessments in higher education Hook, A and Bodell, SJ 2010 http://usir.salford.ac.uk/19324



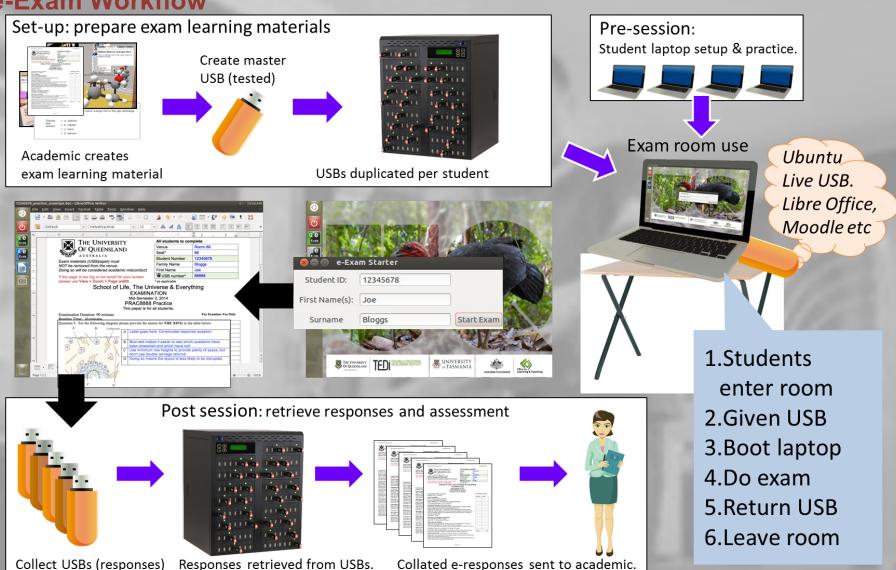
E-exams – Mathew Hillier

http://www.transformingexams.com





e-Exam Workflow





http://transformingassessment.com

Rethinking assessment in a participatory digital world - Assessment 2.0 and beyond

Transforming Assessment is an ASCILITE SIG

We are about exploring assessment in higher education with a particular focus on use of information and communications technology to enhance the assessment of student learning (e-assessment).

ASCILITE SHAPING THE FUTURE OF TERTIARY EDUCATION

Transforming Assessment Webinars

The preliminary schedule for 2017 is now taking shape!

- · Schedule and session details -> See right side column!
- · How to participate in sessions
- Technical help & FAQs for webinars
- Recordings of past events from 2010 to 2016 are available in multiple formats.

Partners and Joint Activities

- Australasian Society for Computers in Learning in Tertiary Education (ASCILITE) as the e-Assessment SIG.
- Special issue on e-Assessment International Journal of Educational Technology in Higher Education (2016) open access.
- Assessment in Higher Education (AHE) 2017 conference in the UK.
- Higher Education Academy (HEA UK) jont webinars showcasing work of HEA fellows.
- e-Assessment Association (eAA) joint webinars details soon!
- e-Assessment Scotland (See session archives for the 2013 and 2014 conferences.

Professor Geoffrey Crisp's ALTC Fellowship (2009-2011)

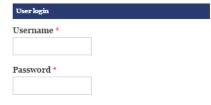
· Read about the fellowship and download reports.

Things to do on our site...

- · Participate in events: keep up to date on our Web seminars.
- View e-Assessment Exemplars: explore the assessment examples utilising a range technologies. You will also find a collection of presentations and other
 documents relating to e-assessment. An Zotero database containing a citations relating to e-assessment is also available.

Time to next webinar 37:01:02:37

Days Hrs Mins Secs



- · Create new account
- · Request new password

Log in

Upcoming Events

2017: Getting Started with Assessment and Feedback in Higher Education

1 March 2017

2017: Virtual Field Trips to Enhance Employability Skills in Hospitality

5 April 2017

2017: Topic TBA - (AHE Preview)

3 May 2017

2017: MapMyProgramme - Developing the holistic student assessment experience

7 June 2017

2017: Topic TBA - (AHE 2017 Panel Review) 5 July 2017

2017: Competency based assessment 2 August 2017

2017: Student Self-assessment: rationale and practice 4 October 2017





TRANSFORMINGEXAMS.COM

A Scalable Examination Platform For BYOD Invigilated Assessment

e-Exam System Trials @ Monash: Paper Equivalent e-Exams

Paper equivalent exams are where students can choose pen or keyboard. A fully functioning word processor is used to collect responses.

Question paper and responses



Moodle exams coming soon!

Typical e-Exam trial timeline

Pre-semester: Trial arranged with unit leader and a customised plan developed.

Week 1 to 3: Students choose to type or handwrite exam via online form.

Two weeks prior to exam: Typists go to setup/practice session.

On the day of the exam: students who are typing bring along their laptop, a wired mouse and go to the assigned room while others handwrite with pen-on-paper.

At the end of the exam: all students will be asked to complete a post-exam survey.

Project information and participation consent forms are available upon request.



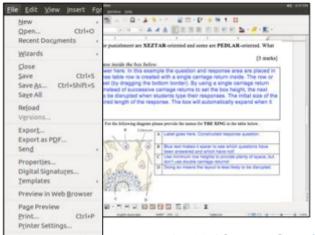
Office for a Learning & Teaching

An Innovation and Development Grant: 2016-2018

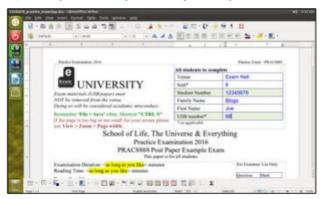
 Boot your laptop with the e-Exam USB stick.
 After the system has started, enter your student ID and name then click 'Start Exam'.



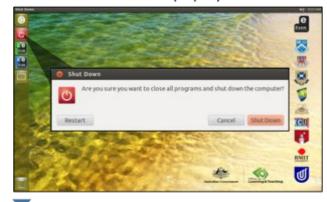
3) Auto save occurs every 2 minutes. Manually save the document at any time. Use Exit when you are done.



2) The exam file will be prefixed and labelled with your id, then opened ready to enter your responses.



4) When ready to hand-in your exam click the red 'shut down' button to close down properly.



5) Hand back the e-Exam system USB stick.

e-Exam is 100% free, configurable, open source - contact mathew.hillier@monash.edu



The traditional meaning of the inukshuk is "Someone was here" or "You are on the right path."



