



Innovation in Teaching and Learning:

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## Australia...



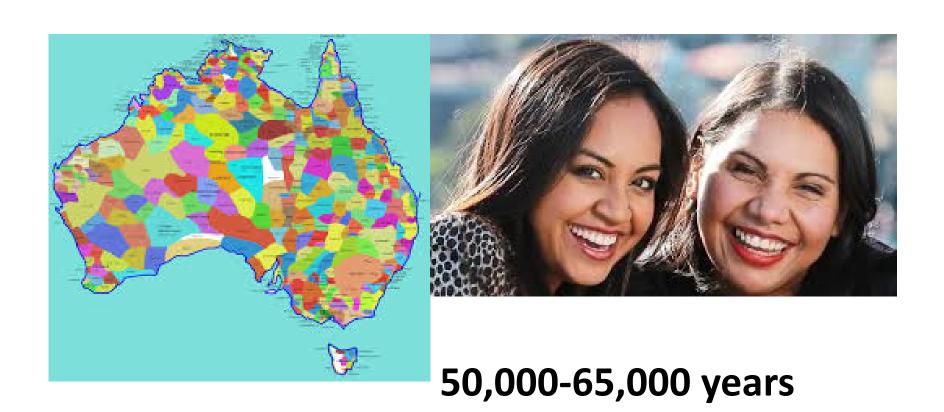
# 24 percent of Australians are born oversees...



40 percent have one parent born overseas

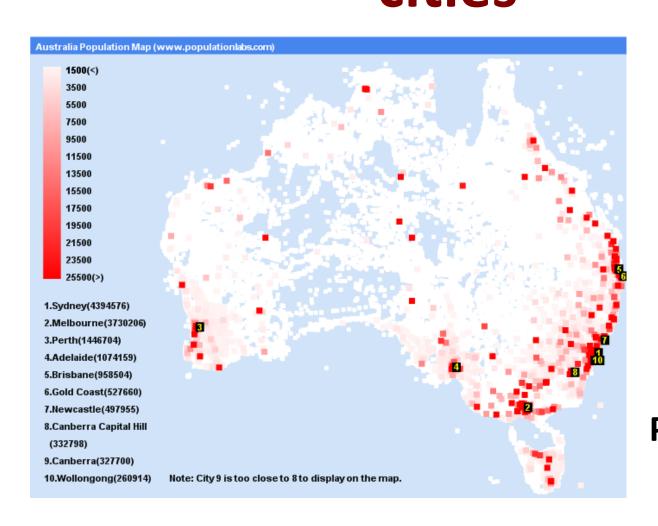


# Aboriginal Australians are one of the old living cultures...





# 90 percent of Australians live in cities



Population: 25 million



# With 150 million sheep...





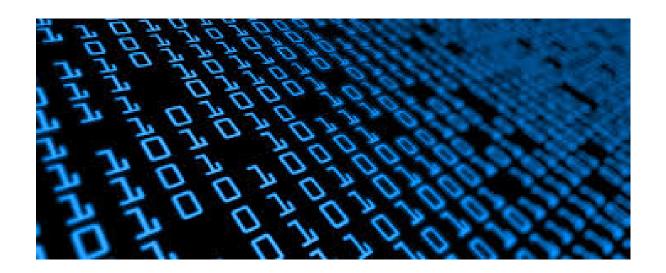
# And is 15 times bigger than Thailand





# When we speak... we are lazy

#### "DATA"





## Crocodiles grow up to 5.5 meters







# Every year Australia awards the best university teacher...













## One: A changing environment



# Why do we need to innovate 1: A changing world



## A story about a water pump...





#### **Thailand 4.0**

What jobs will exist in 10 years time?

What jobs will disappear?



#### **Australia**



#### 40 percent of current jobs under threat = 5 million

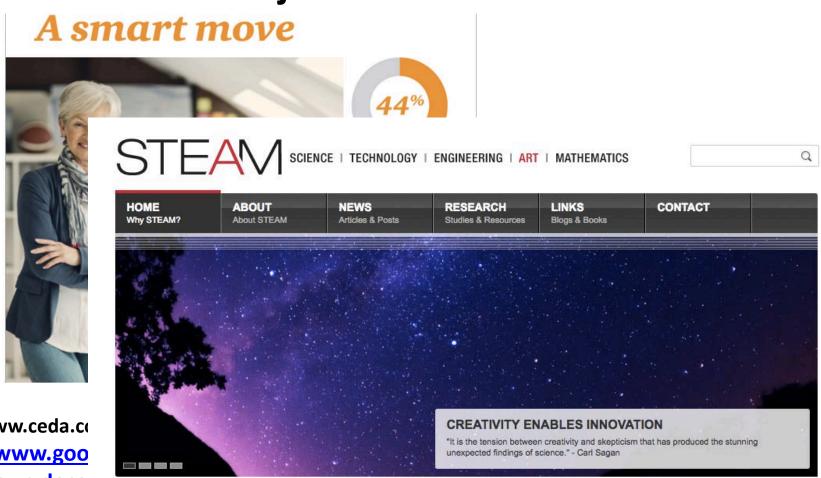


http://www.ceda.com.au/research-and-policy/policy-priorities/workforce https://www.google.com.au/#q=abc+news+special+report+work+disappearing https://pwc.docalytics.com/v/a-smart-move-pwc-stem-report-april-2015

#### **Australia**



#### 40 percent of current jobs under threat = 5 million



http://www.ceda.co https://www.goo https://pwc.doca

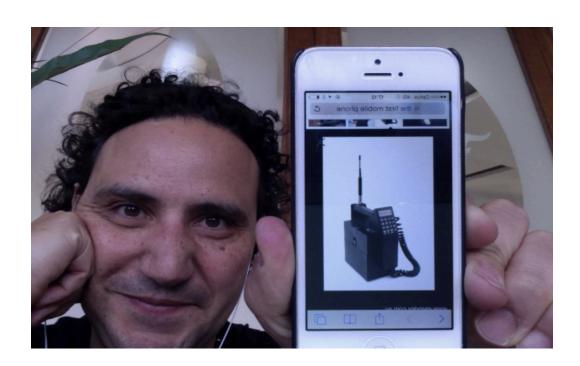
MISSION STATEMENT



# Why do we need to innovate 2: A changing world

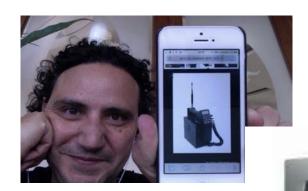


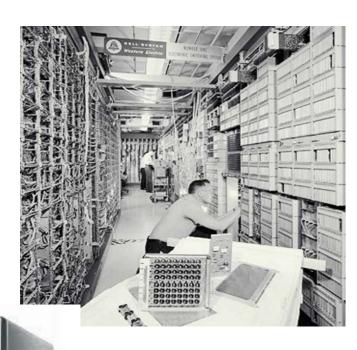
## Imagination...





### A rapidly changing world...







# Why do we need to innovate 3: A changing environment

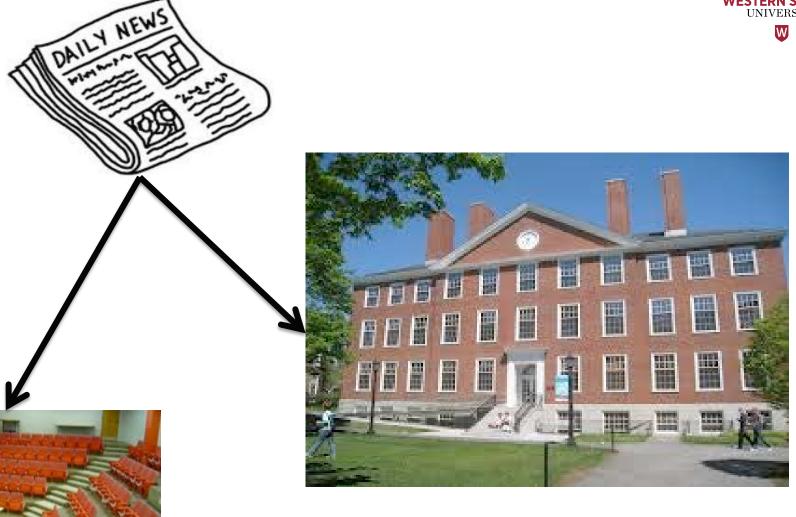








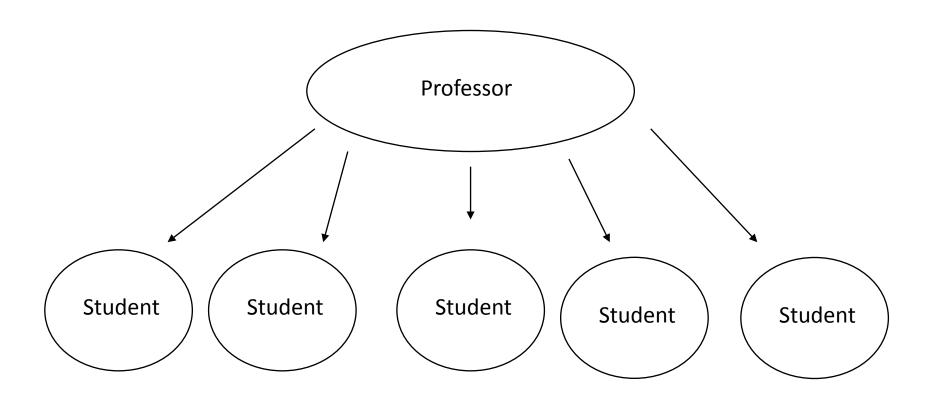




Universities are where newspapers were 10 years ago...

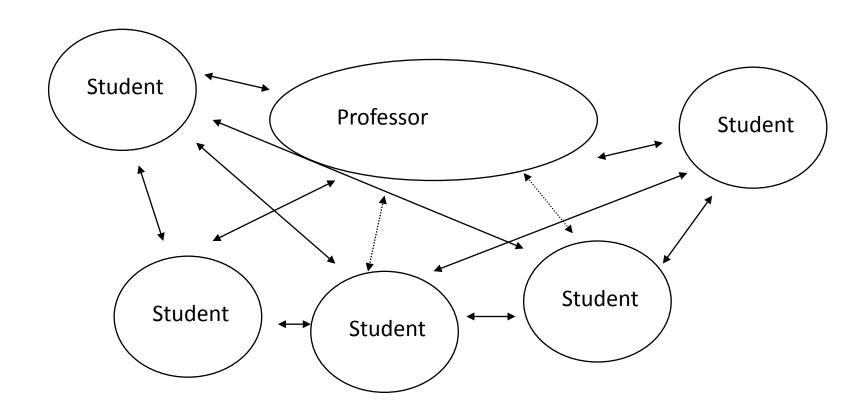


## **Knowledge transition**

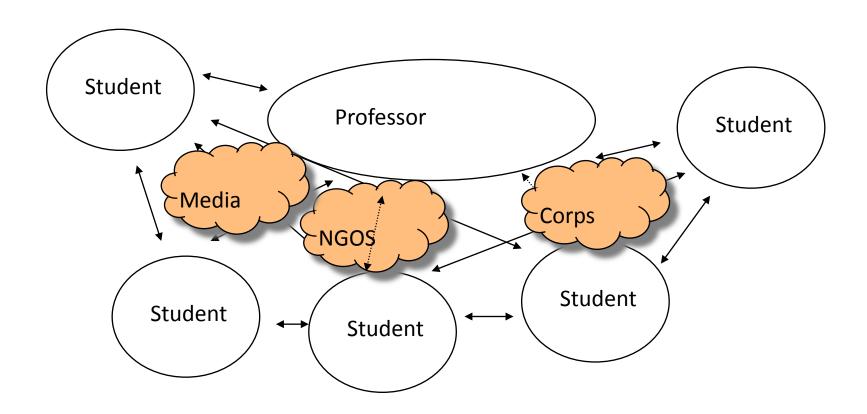




## Relational Knowledge



## Relational Knowledge that is mediated...





# How do we educate students in a time of massive disruption?



# How do we educate students in a time of massive disruption... Especially if they have a 7 careers in a lifetime...

'Generation Flux'



Economic/National challenges

Thailand 4.0



Changing university sector

'Uber University'

Economic/Nation challenges

Thailand 4.0



Changing university sector

'Uber Uniy

Economic/Nation challenges

Thailand 4.0

Changing student cohort

Massification



Changing university sector

'Uber Uniy

Economic/Nac challenges Changing student cohort

Thailan d'

cation

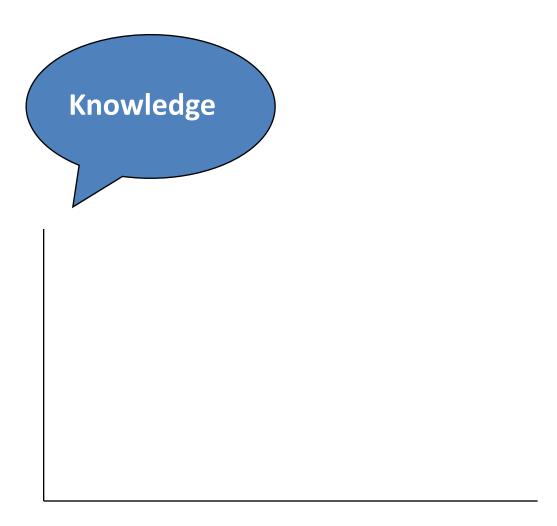
The need to future proof

Changing careers

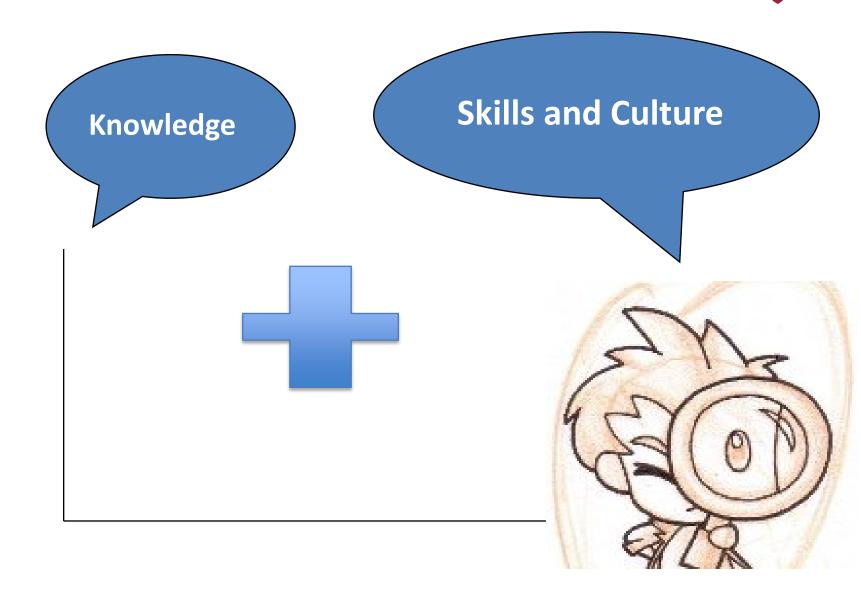


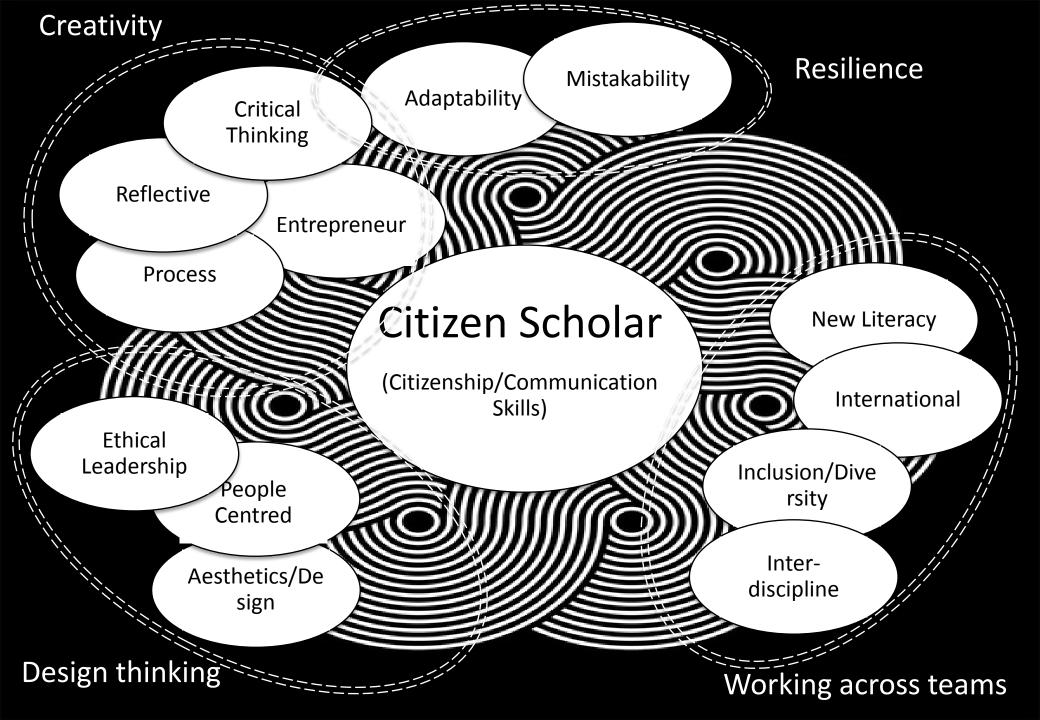
# Two: How to Respond?

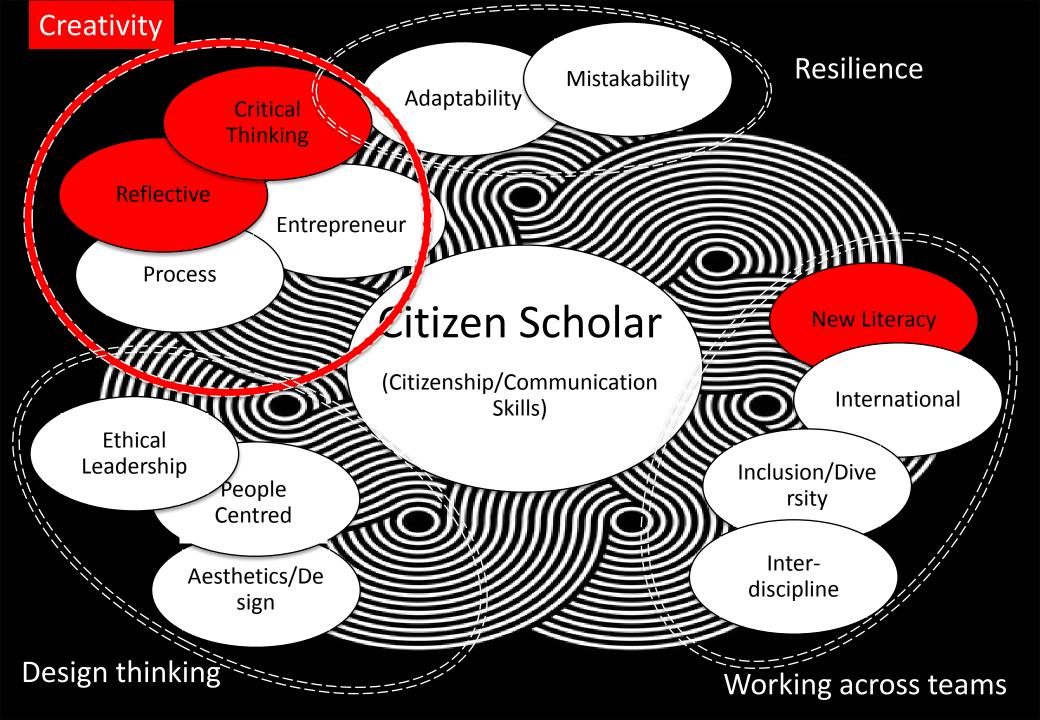






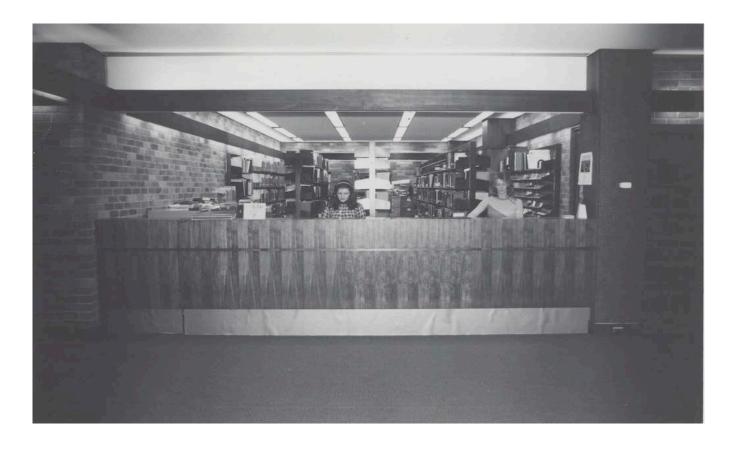








#### Good information v. Bad information





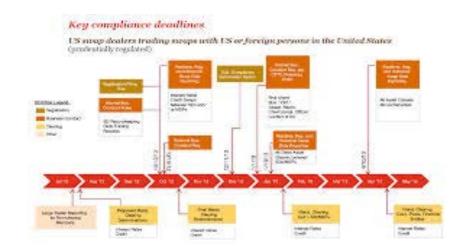


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#### **Graduate Research School**





## Step 1: Ground your teaching



### My subject: Understanding society

What is yours?



## A family BBQ...





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Understanding societies...

Let's begin...



#### An apple...



(Bonding time again)



# What would you rather lose...



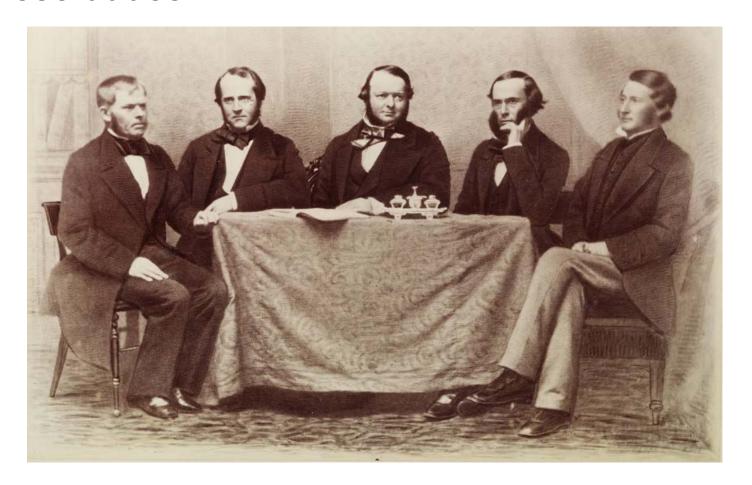








• If these dudes...





# **Imagine**

• Saw these dudes...





# **Imagine**

• Saw these dudes...





### Or this dude....





### There is not just one type of society

Societies change across time...

That is, society is shaped differently at different times in history (time); and

AND...





### There is not just one type of society

Societies change across time and space

That is, society is shaped differently at different times in history (time); and

In different places across the world (space)



#### Continued...

- This means that there is nothing 'natural' (or innate) about the way society is organised
  - Societies change and form vary depending on various factors
  - That is, the way we choose to live our lives or organise our world does not just appear magically, but evolves.





#### **Two: Social Construction**



#### Social construction...

- This is a concept known as 'socially construction'
- O A phenomenon that is constructed (or invented) by members of a particular culture or society.
- That is, we have structured in this way
- Done so for some reason (positive or negative)
- These constructions exist because we follow certain conventions behaving in certain ways.



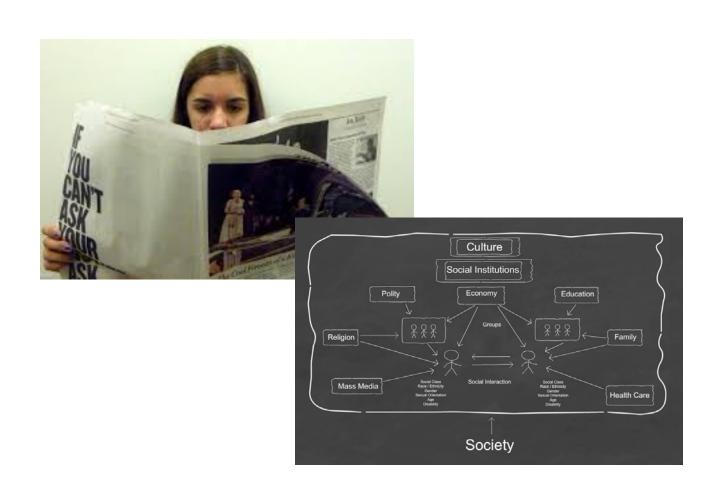


# Step 2: Curriculum Development: Start at the end...

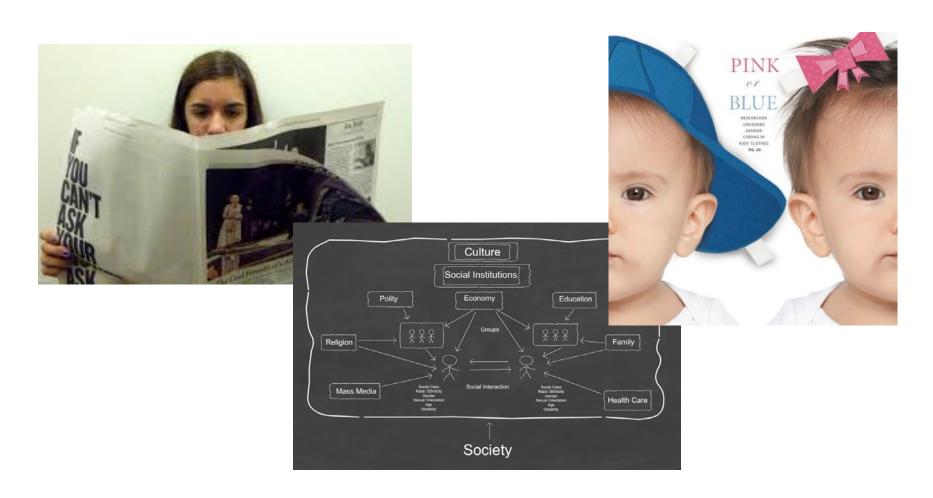




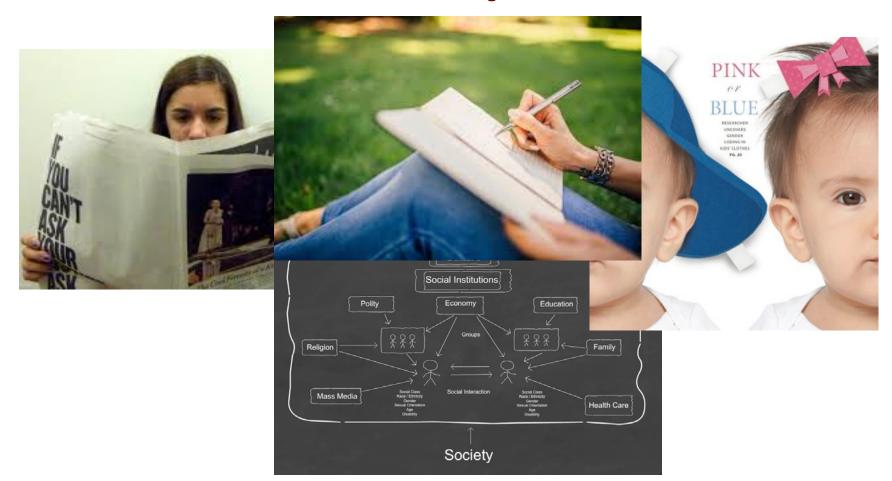


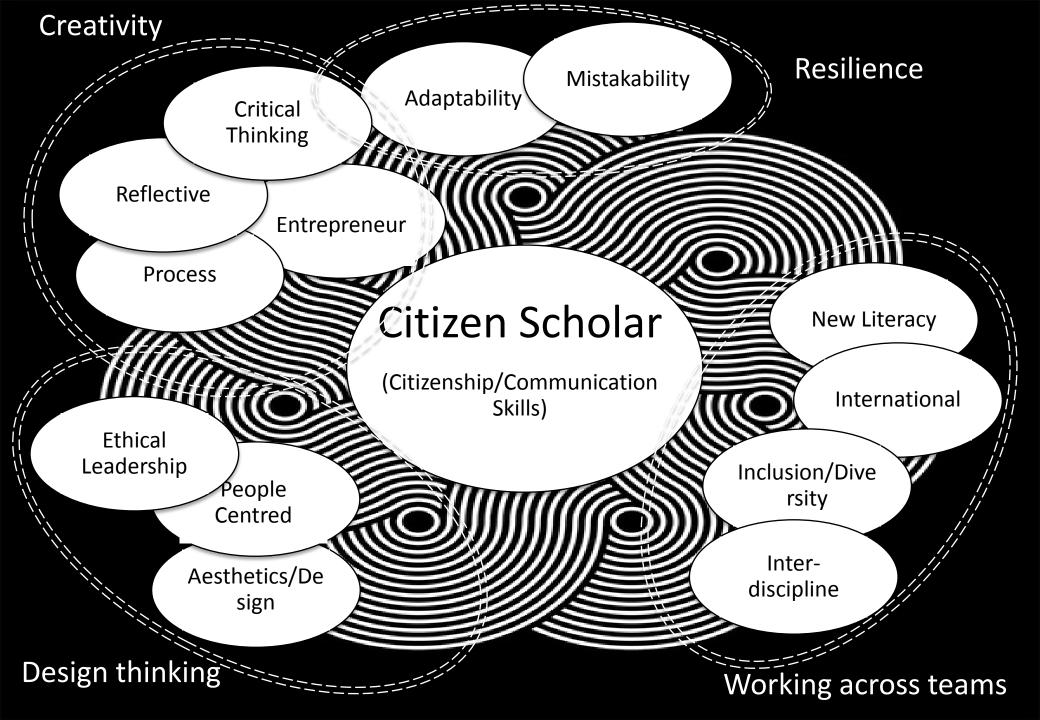








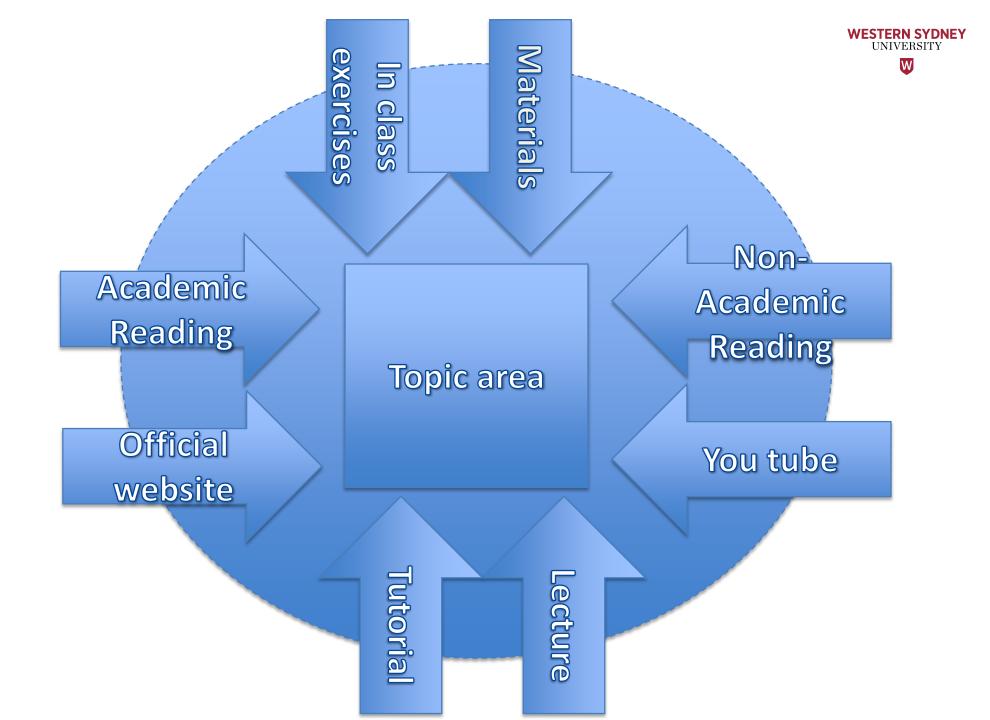






### Step 3: A holistic approach

Not just one way of teaching





## **Eg: Understanding society**



### 1. Before you come to class...

Watch this.... <a href="https://www.youtube.com/watch?v=wfliasCLvxk">https://www.youtube.com/watch?v=wfliasCLvxk</a>





#### **NEWS**



**NEWS HOMEPAGE** 

MOST RECENT

**TOP STORIES** 

**POLITICS** 

CRIME

**GENERAL** 

**ASEAN** 

... and read this...

# University enrolment changes alone won't close the rich-poor gap

Exam fatigue, subparcourses 'worrying'

NEWSPAPER SECTION: NEWS | WRITER: DUMRONGKIAT MALA

5 Sep 2016 at 04:30 348 viewed 0 0 comments

f Like

**▼** Tweet



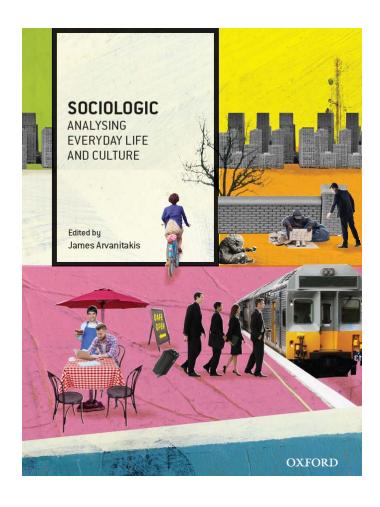


#### 2. During Class: Interactive





#### 3. Then introduce theory...



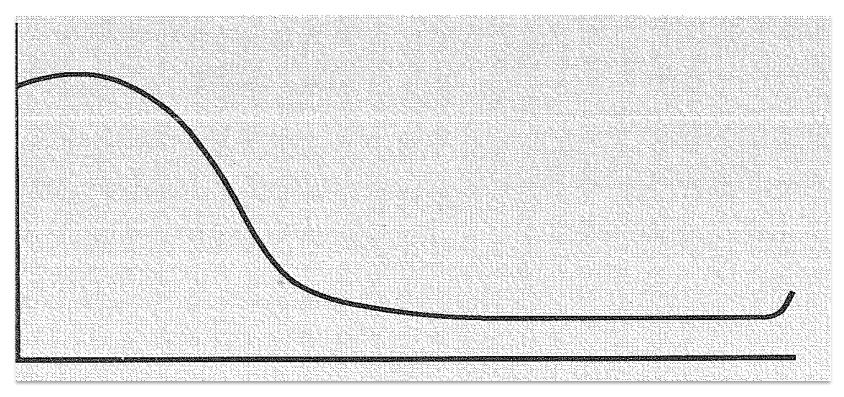


# Step 4: An hour is a measurement of time not a guide for a lecture!



#### WESTERN SYDNEY UNIVERSITY

### **Attention Span in Classes**



Attention levels decrease after 10 – 20 minutes, when activity levels are passive

Gibbs (1992); Bligh (2000)





Without prompt review of materials, retention is closer to 10%

Bligh (2000)



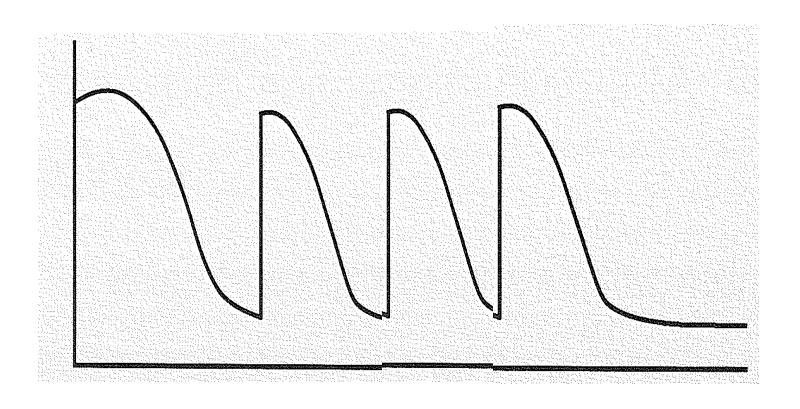


When students actively review: retention increases by 400%

Bligh (2000)

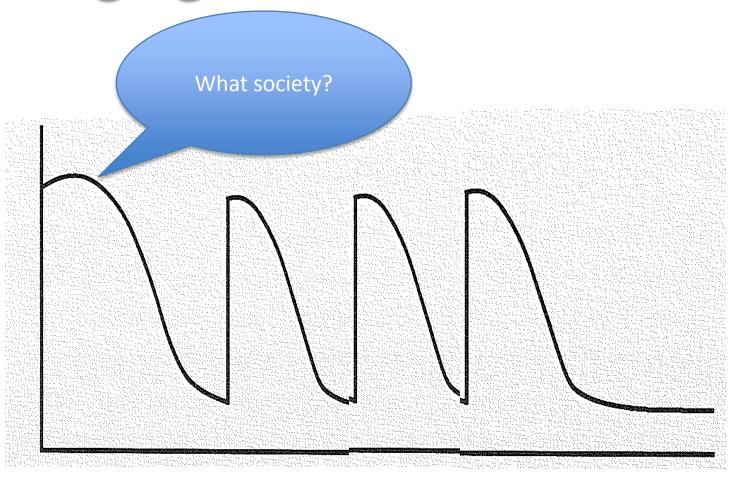






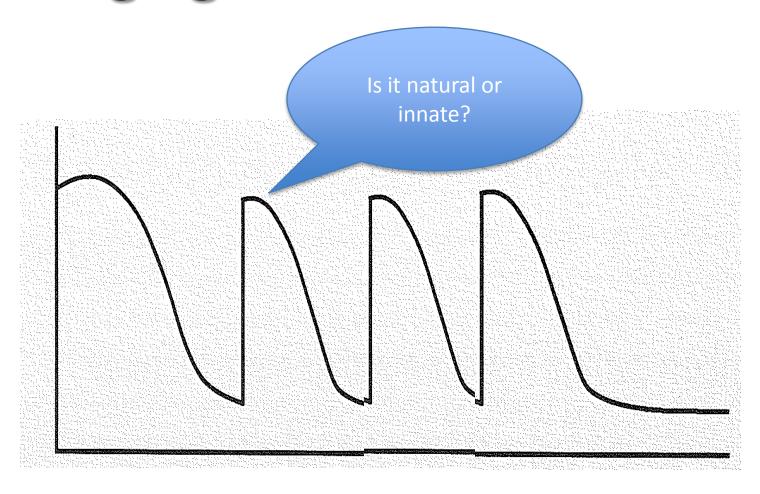






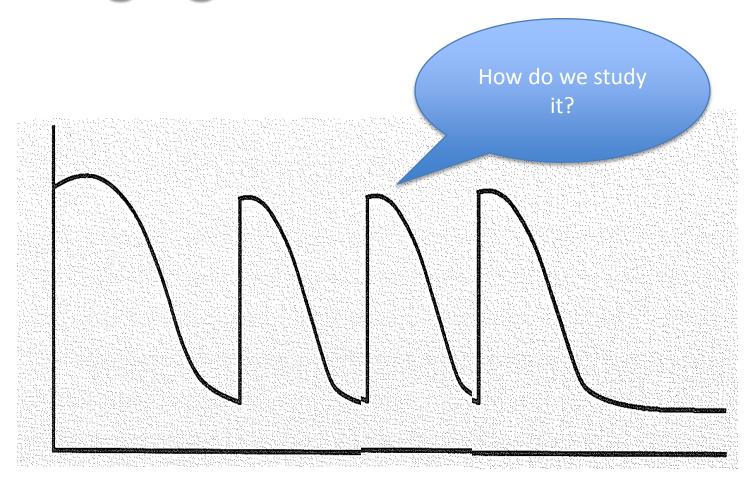






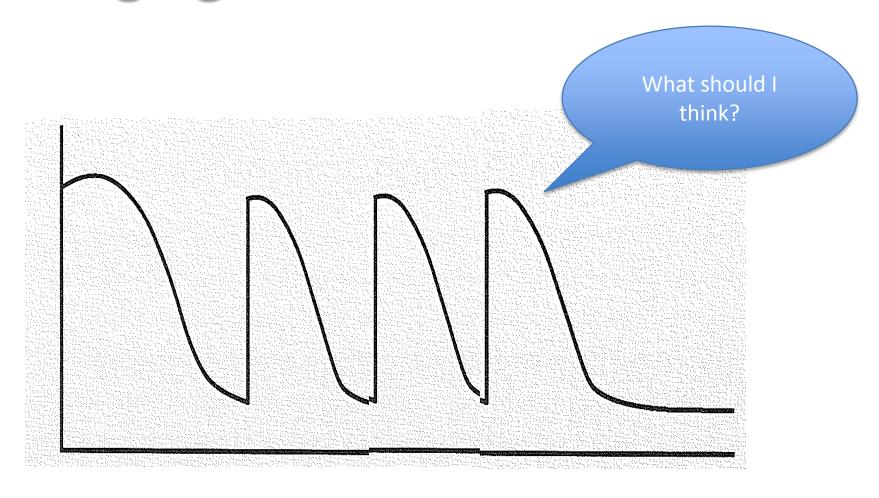














# Step 5: Ask Un-Googable questions



#### The AFL









#### Challenge:

### How many individual hot chips are eaten at a sell out at the MCG?



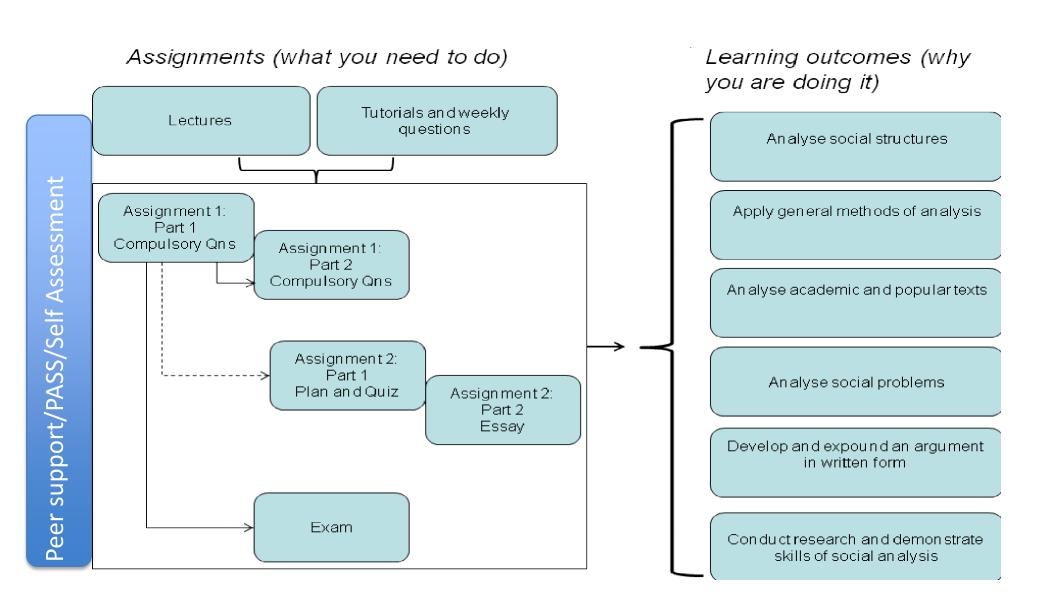


#### **Step 6: Give feedback**

And make it fun...

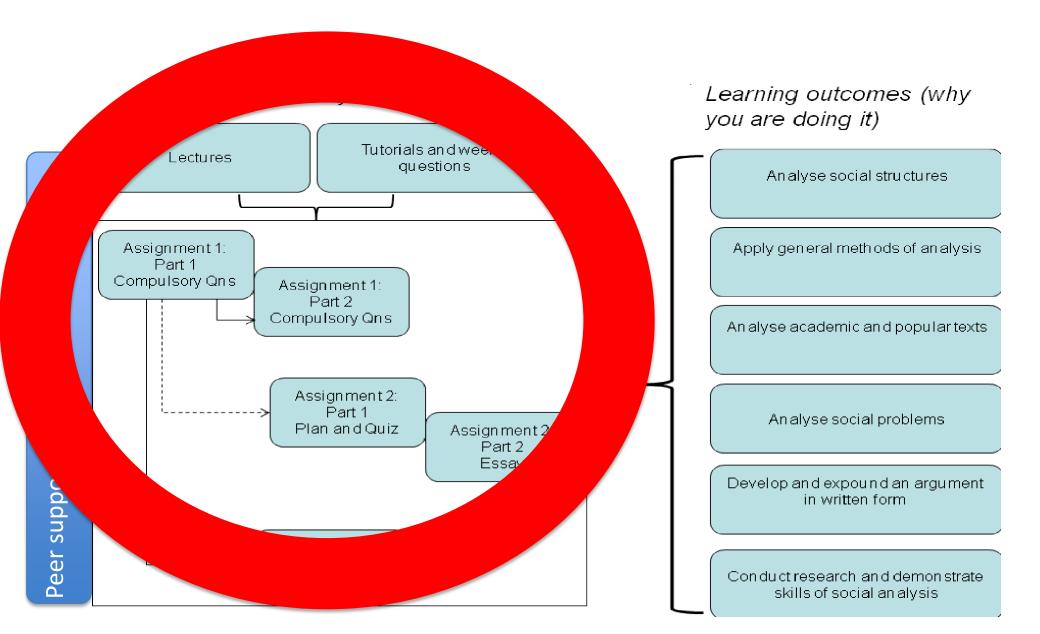




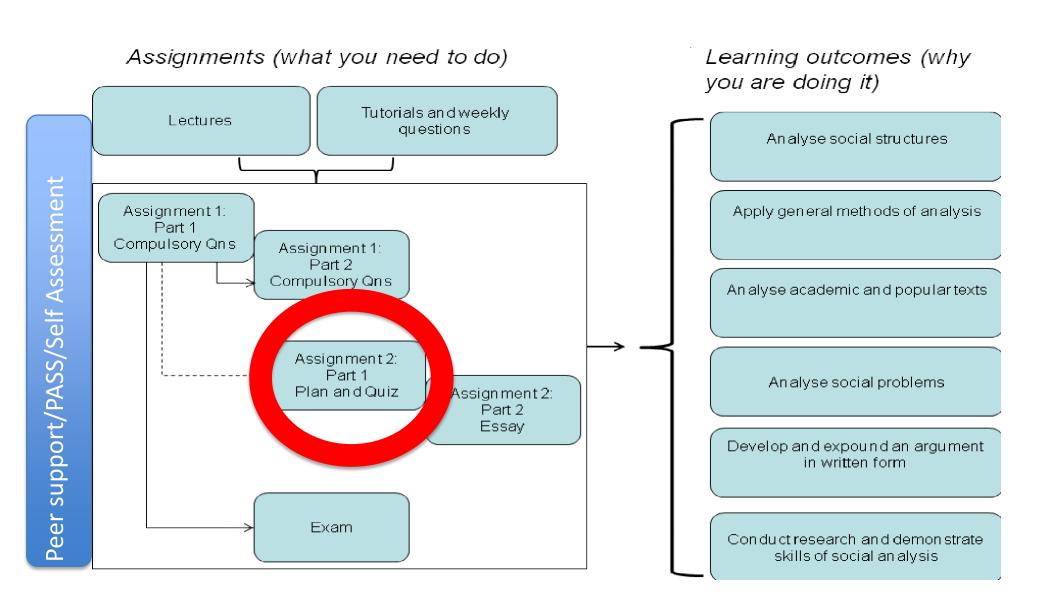




#### **Embed goals across every dimension**









Me: You have copied this word for word?

 Student: Yes. You wrote the textbook so I thought I would show you I read it!



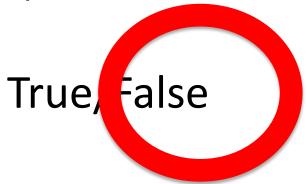
Question 2: If you are writing a 1500 word essay, it is ok to copy one single line without referencing?
(I mean, it's only one like right?)

True/False



Question 2: If you are writing a 1500 word essay, it is ok to copy one single line without referencing?

(I mean, it's only one like right?)





Ques

Oues

Dude, well done! That is right, even just one line copied means you are responsible for plagiarism! Always quote and reference when using someone else's words!

YOU ARE AWESOME!

)rd thout

True, False

(I mean, it's

referenc.



#### Dude! NO!!!!!!!!!

Remember in class we discussed that when you use someone else's words, you always need to tell us whose words they are and where you got them from!

No dramas... try again!

1500 word e line without

(I me

... ike right?)

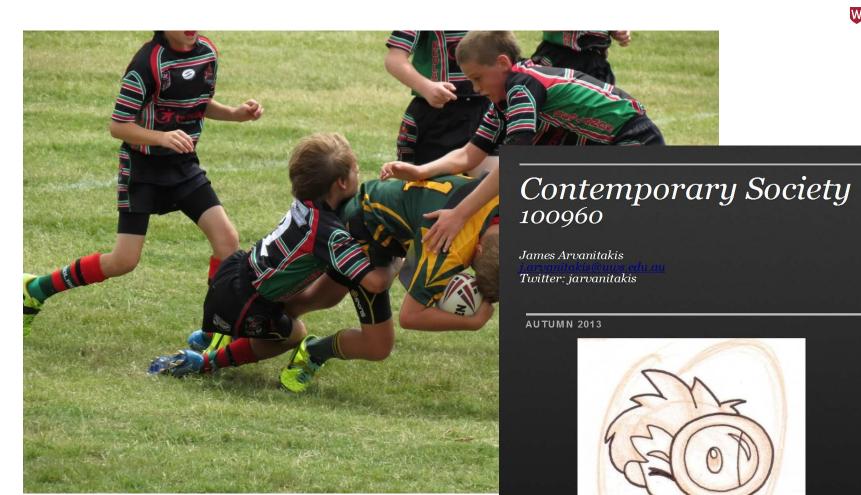
True/Filse



## Step 7: Ensure the students lead the learning









### Step 7: Embrace your most boring lecture!











#### In summary...

1. We must demonstrate what we want our students to be...



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2. We must treat knowledge like clay: encourage our students to apply it



#### In summary...

We must demonstrate what we want our students to be...

2. We must treat knowledge like clay: encourage our students to apply it

3. Start at the end... what students do we want to produce...



### Thank you