2019 Teaching and Learning Conference

INSPIRE | TRUST | EDUCATE





11.00am - 12.00pm

Break the Mould with Design Thinking!

Dr. Christine Murphy



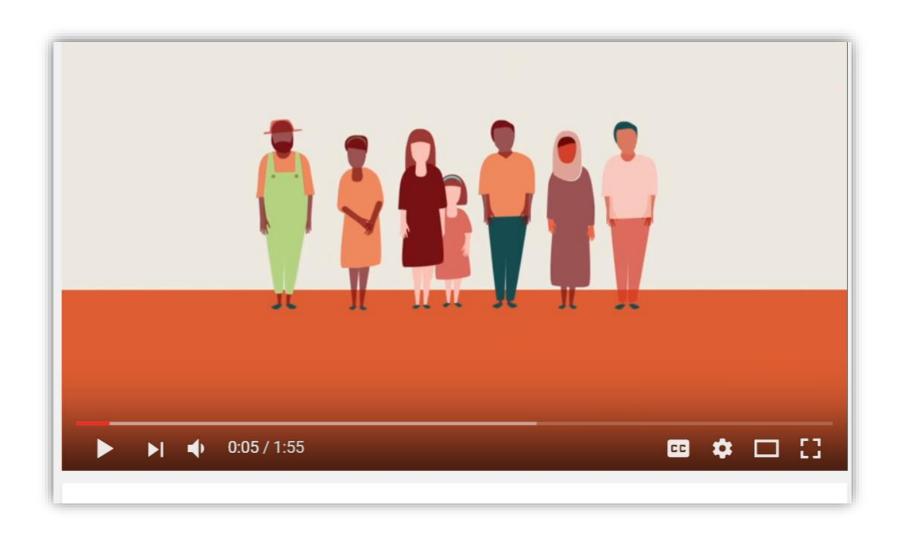


nise deate

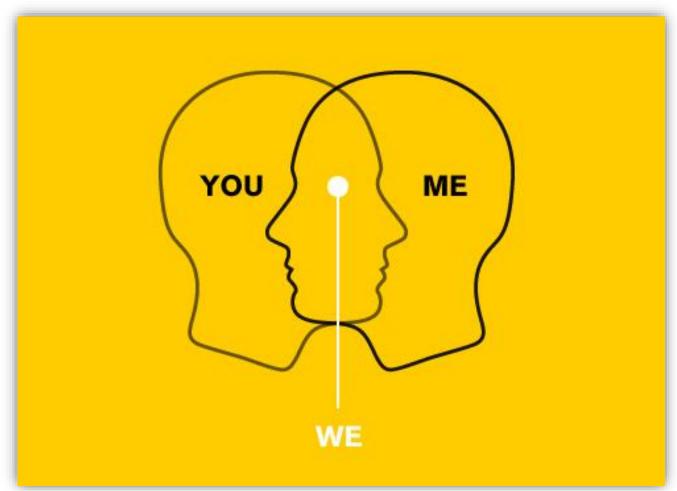
So what is design thinking about?

Prototype

Test



Which requires empathy....

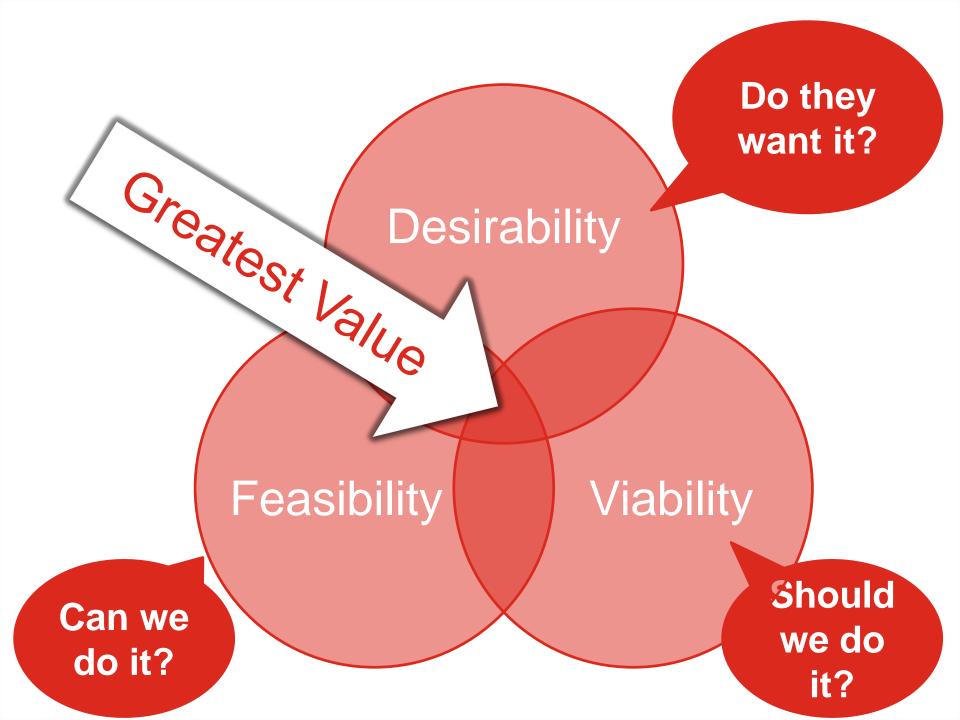


We must understand before we can judge

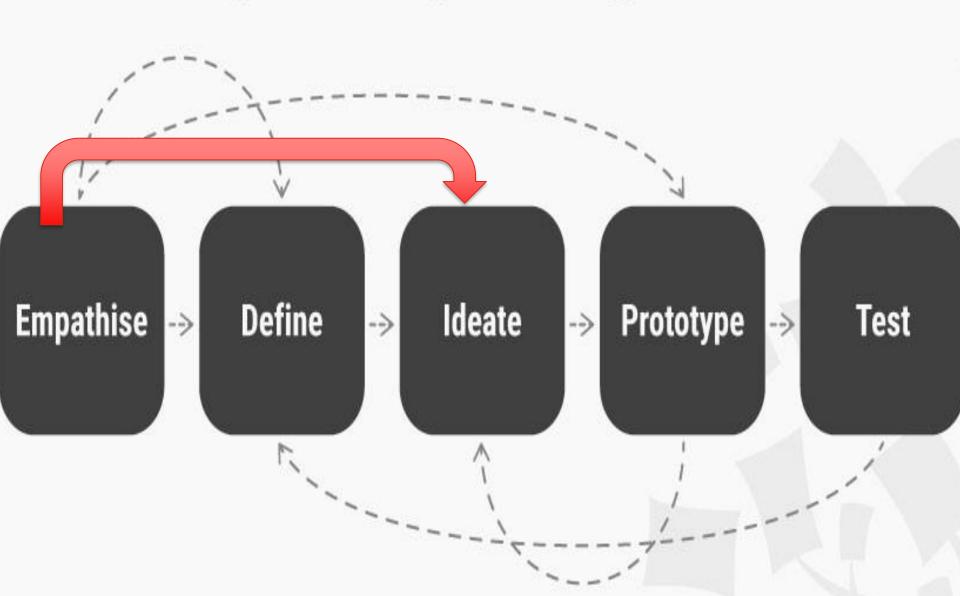


design thinking

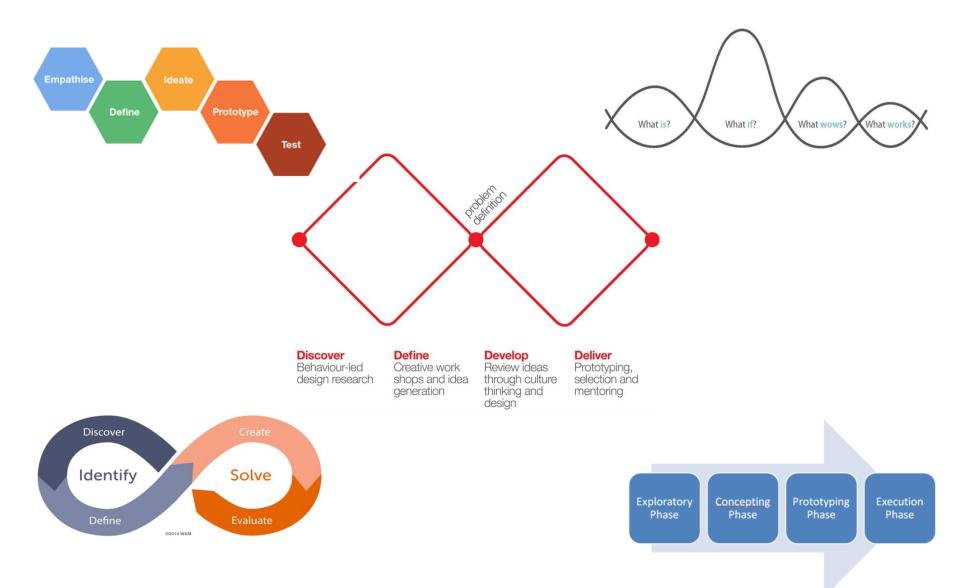
A systematic approach to problem solving Using 3 things: empathy, invention and iteration.



Design Thinking: A 5 Stage Process



What are the most common process models of design thinking?



Your Challenge!



Design a ground breaking innovative education program that attracts, retains young indigenous people and transforms their lives



You have just been advised that your organisation has been given part of an overall grant funding of \$100 million over 3 years to set up and deliver an innovative nationwide program to address indigenous youth incarceration, substance abuse, mental health & suicide.

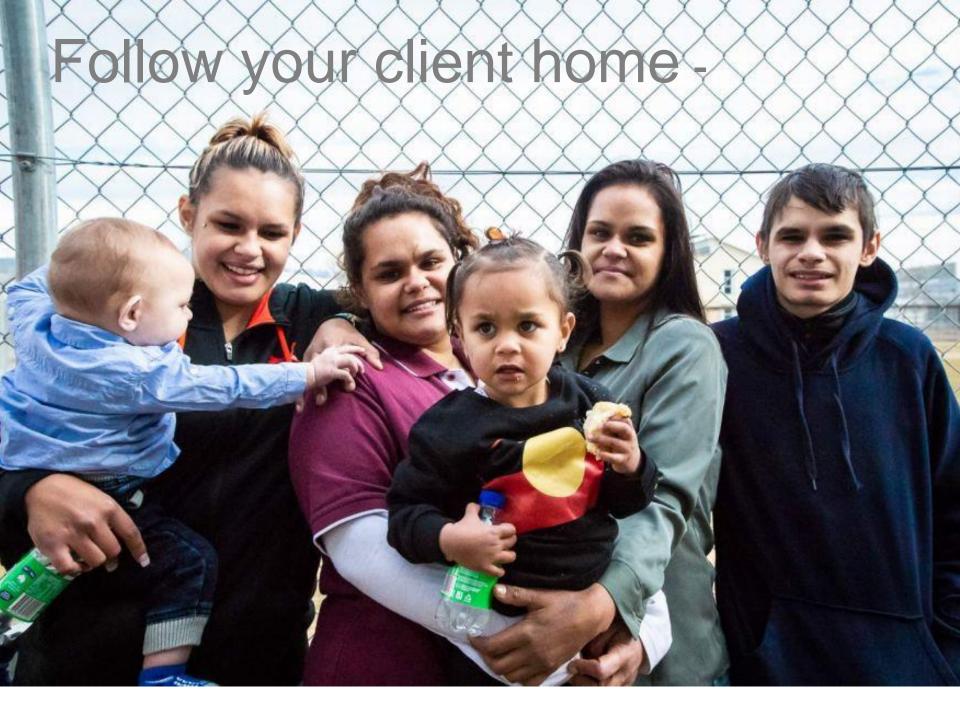
Your organisation will receive a total \$25 million of this grant!

The name of the innovative program is entitled: "All Rise"

This new program design is expected to address the multiple issues in an integrative way that is completely different to the programs that are currently out there. Your focus is on the education piece of the puzzle.

There have been billions of dollars spent in this area in the past and currently, but it is STILL not working in fact the issue is worsening rapidly. So you need to approach this entirely from a NEW angle – traditional methods of attracting and as importantly, retaining indigenous youth in the education system.

One hurdle is that because this is an election promise, the government minister wants to announce the broad details of the program at a press conference tomorrow – and your input is critical.



Young indigenous man - Jayden



JAYDEN

I was a pretty wild kid and hung out with my cousins and mates but always respected my mum and didn't do anything that hurt anyone. I promised myself I would never be violent after my dad hurt mum. I never have.

AGE: 20

Status: single, unemployed

Live with mum

Year 3 High School

Location: Outside Perth

Health: Good

Snapshot

I love life and have always strived to make my mum proud. She has had a pretty hard life – had her jaw busted by my dad before we moved out. I am a champion skater in my home town won lots of awards and just love hanging around with my cousins and mates. We sometimes get into trouble and that has landed me in jail a few times but for nothing much. That has made mum sad. I promise myself that I wont muck up again. It is not worth it.

My goals and motivations:

My goals are to get a good job maybe an apprenticeship in Perth, or join the police force. To get a career and to earn some money and so I can help mum find a better place to live in.

I want to get married someday and have kids and maybe even get a house. I want to give my mum grandkids too. She lost my twin brother when we were born so she has always felt sad about that.

Needs:

Once I get a job I want to find my own flat to live in and I don't need much really, although apart from a job I would like to have a car so I can do some travelling and help mum with shopping and take my mates out

Key questions to answer:

How can I apply for an apprenticeship – what do I need

What qualifications would I need? Can I get into TAFE with a criminal history.

Triggers and influencers

- My mates are great but I get into trouble when we hang out together!
- I love hip hop music and rap and like to write rhyme just like my grandad who was a real poet and playwright.
- I love comics and movies but also love watching car racing.

Thoughts and emotions

- My life has been a bit hit and miss because I keep getting into trouble – and I don't want to keep wasting time as I am getting older. I only have mum since my grandma and grandpa died – so I want to do something good with my life to make her proud. My grandfather was a famous poet – I think I could write too. Maybe get famous. Mum would like that.
- · She gets sad sometimes.

Technical Savvy

People reckon I am pretty handy with electronic stuff. I have played around a bit with electronics. I wish I had been able to stay at school but with my juvenile detention I missed too much to pick up where I left. But I taught myself lots of stuff inside and can do most technical things. Once I work it out.

Channel preferences

 I watch Youtube a lot and listen to Spotify and other music channels. I have an old android phone and a clapped out donated laptop that I worked on in prison and got to keep it when I got out. It works ok but its slow. I can use it to follow my hip hop and rapper heroes.

Delighters

- Listening to music and dancing hip hop. Practicing my skating and pulling off aerials in the half pipe in front of a crowd. Being with my dog and writing Rap songs.
- Working on my mates cars and fixing them. Sometimes getting paid to do it!

Frustrators

- Getting pulled up by the cops all the time. Doesn't matter if I am sitting at MacDonalds just eating food or walking up the street with mates, They are always stopping me. They should concentrate on the real crooks. There are plenty of bad kids and dealers on the street –I amjust an easy target.
- I want to get off the dole but there are no jobs here – and its hard when I have been 'incide'.

SEEME

I see the leaking roof and the water stains on the walls of my bedroom, I see my mum cooking on a camp stove 'cos the stove doesn't work – I see the way she looks sometimes – sad. I see the magazines with the latest converse skate shoes that cost too much

SAYING

I want to have a car and a job and I don't want to go back 'inside' I have wasted too much time there.

THINKING & FEELING

I want to be cool and have money! I want to get out of this hole, Or I might end up hanging myself like my best mate did last year. If my twin brother was alive – I wonder if my life would have turned out like it has



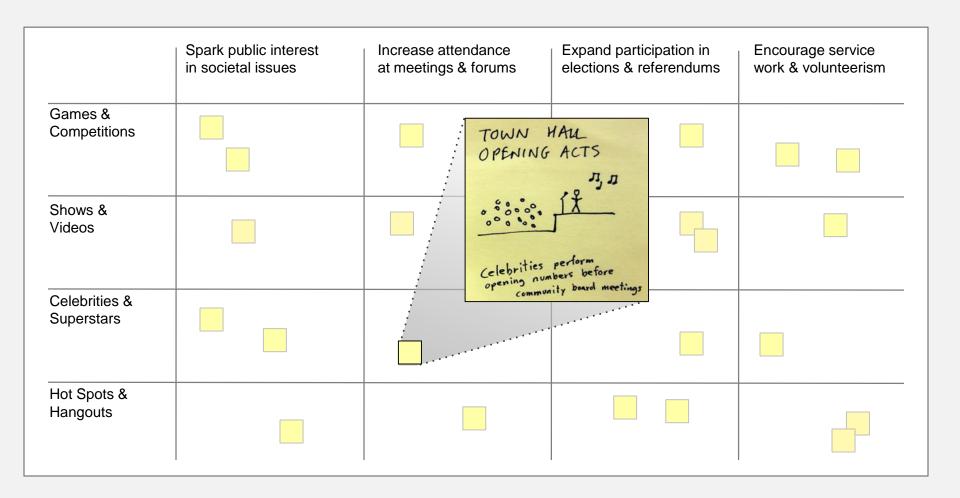
I can hear the trains on the tracks outside my window, and the shouts and fights at night when there are parties and lots of beer. I hear my favourite rappers when I block out the noise with my earbuds. — I hear my mates laughing and the sweet sound of the skateboard hitting the rail perfectly and the clack of board as it slides.

I hear the cops – telling me to empty my pockets

Use the 'first person'

CREATIVE MATRIX: EXAMPLE A

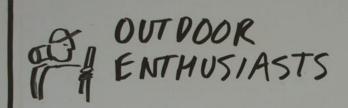
How might we increase civic engagement?

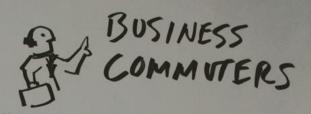


CREATIVE MATRIX: EXAMPLE B

How might we engage and transform the educational experience to enable indigenous people to reach their potential

	What if schools were >accessible	What if staff were indigenous	What if school was cool?	What if industry, government, schools & GPs were partners
Places and people				
Facilities & Environments				
Technology Devices & Apps				
Programs & Policies				
Wildcard			1	



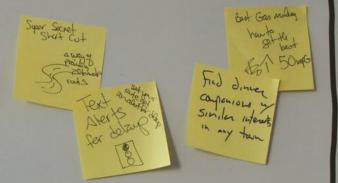




TWEET-

SOCIAL





WEARABLE/ MOBILE TECH







WATCHES

*WILDCARD





Creative Matrix

- Break into your teams and get set with a Sharpie and Post-its
- Work individually to generate as many ideas as possible
- One idea per Post-it
- Include a quick sketch if you can
- Bonus points if you fill in all of the quadrants



