

Mobile Phones and Young people....

Dr Kate Highfield
Institute of Early Childhood,
Children and Families Research Centre

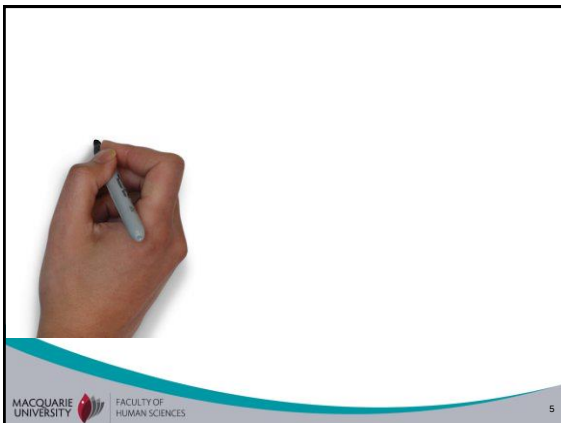
Macquarie University
kate.highfield@mq.edu.au
@kateytwit

Media confusion....

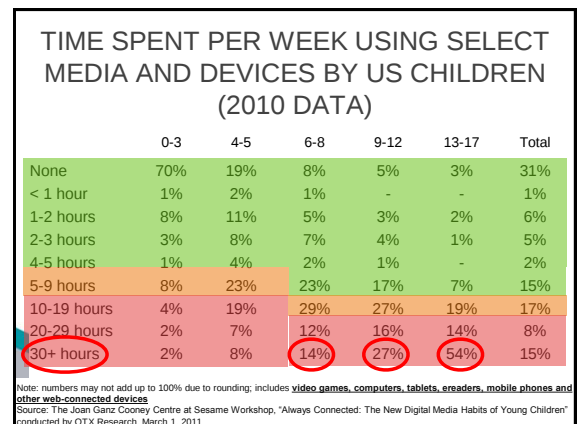
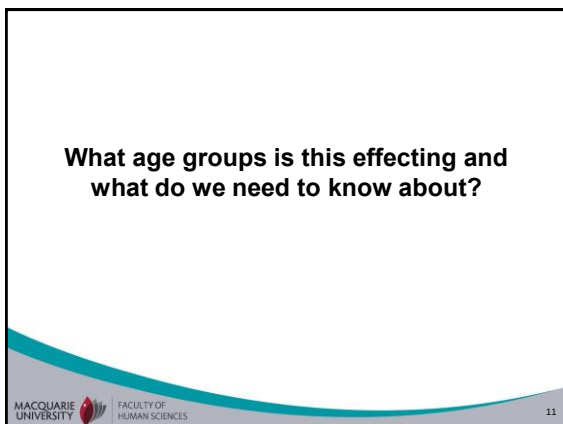
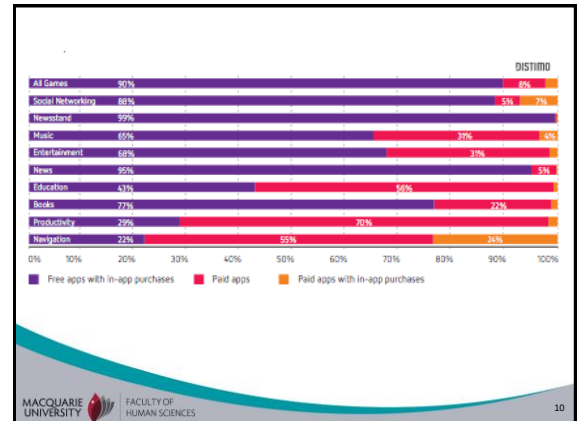
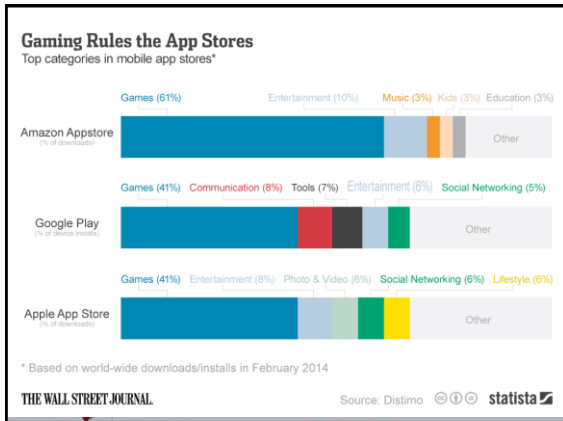
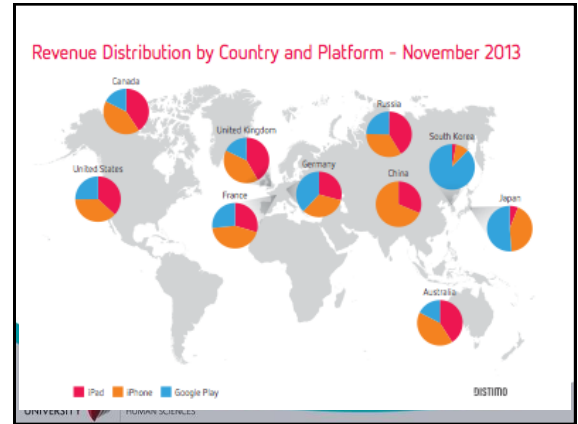
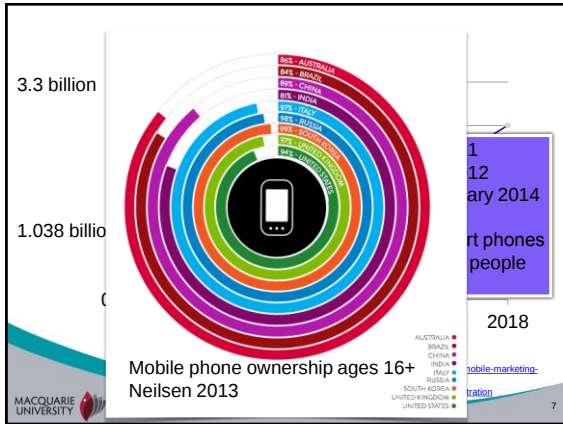


Why mobile and tablet?

Isn't it just tech... Why are we still talking about it?

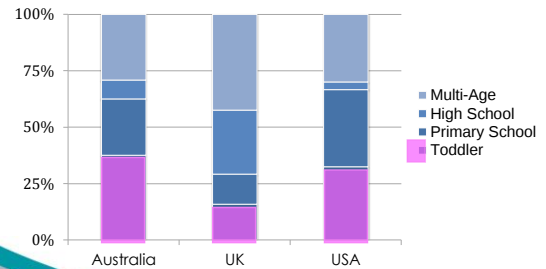


Current Statistics....



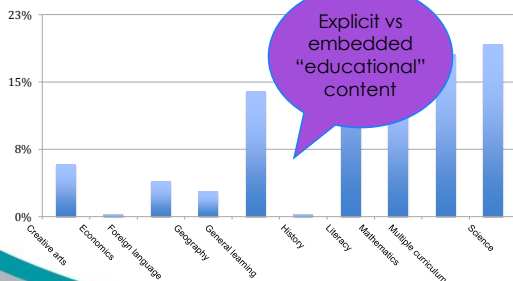
What is out there?

Age (n=360 Popular Educational Apps)



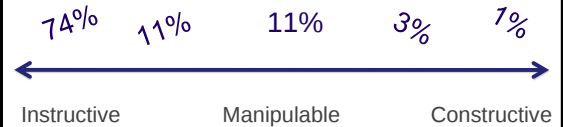
Highfield & Goodwin, 2013

Curriculum areas



Highfield & Goodwin, 2013

Analysis by pedagogic design (Goodwin & Highfield, 2013)





QuickMath



Math Bingo

hot or not???



Imag.N.O.Tron



IDinosaur AR

What are the benefits and concerns?

Real world audience and authentic learning

Differentiation

Multiple & manipulable representations

Practice effect > fluency of specific content

Multi-layered play

reflect <> revisit <> revise

Instant feedback

Collaboration

Multimedia publications

On screen <> off screen connections

Mastery

MACQUARIE UNIVERSITY FACULTY OF HUMAN SCIENCES 25

Reliance on external feedback

Lower order thinking dominant

Screen time issues

Inappropriate content (gambling, sexualised images and violence)

Fine and gross motor skills development

Real world connections changing?

Sleep, sight and muscular/skeletal concerns

MACQUARIE UNIVERSITY FACULTY OF HUMAN SCIENCES 26

Higher Order Thinking Skills

Creating

Evaluating

Analysing

Applying

Understanding

Remembering

Lower Order Thinking Skills

http://mminertoolbox.wikispaces.com/et

Blooms 21

Remembering

Understanding

Applying

Analyzing

Evaluating

Creating

Start Here!

http://www.mindtools.com/pages/newbytema/newbytema.htm#b=906516&desc=http%3A%2F%2Fplnetwork.com%2Fauthorsh

27

"chocolate covered broccoli"

Bruckman, 1999

Addition or Allowed (parenting)?

text" 012

attention, eating, appetite and appropriate?

MACQUARIE UNIVERSITY FACULTY OF HUMAN SCIENCES 28

Where to from here?

MACQUARIE UNIVERSITY FACULTY OF HUMAN SCIENCES 29

kate.highfield@mq.edu.au

@kateytwit

MACQUARIE UNIVERSITY FACULTY OF HUMAN SCIENCES 30