

**IBSC Conference 2012**

# **iPads and Inquiry...a recipe for creativity and reflection**

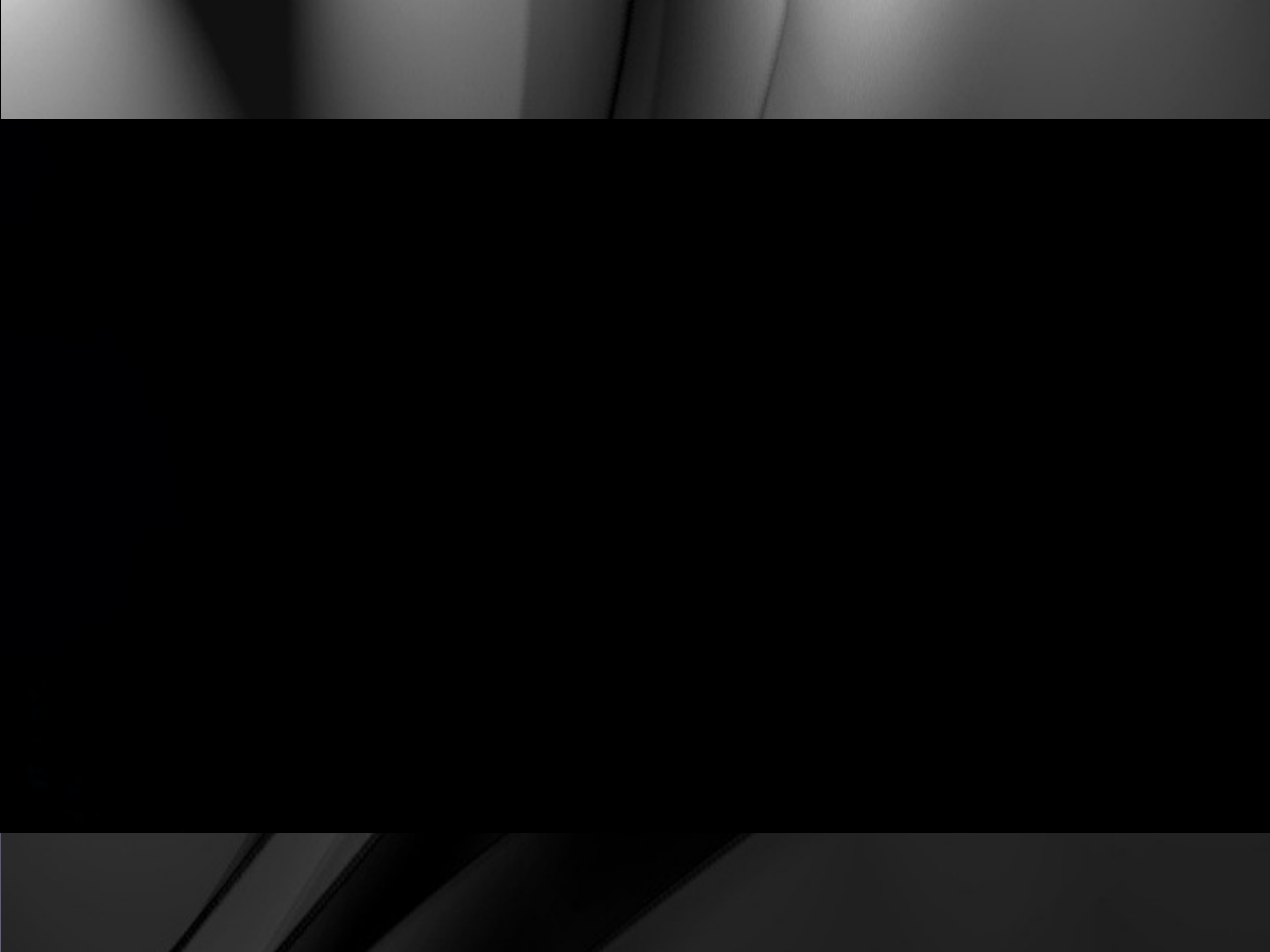
**Lindfield Campus**

**Joel Weekes – Prep Team Leader / Year 5 Teacher**

**Chris Wyatt – Head of Lindfield**

**Newington College**





# Human graphing



**iPads are a powerful vehicle for promoting inquiry, creativity and reflection in learning.**

An inquiry into:

- Constructivism, inquiry-based learning, creativity and reflection
- Our Journey
- Nifty not necessary - the iPad as a learning tool



# Reflective Learning Routines

- Routines exist in all classrooms; they are the patterns by which we operate and go about the job of learning and working together in a classroom environment.
- These learning routines can be simple structures, such as reading from a text and answering the questions at the end of the chapter, or they may be designed to promote students' thinking, such as asking students what they know, what they want to know, and what they have learned as part of a unit of study.
- [http://pzweb.harvard.edu/vt/VisibleThinking\\_html\\_files/03\\_ThinkingRoutines/03a\\_ThinkingRoutines.html](http://pzweb.harvard.edu/vt/VisibleThinking_html_files/03_ThinkingRoutines/03a_ThinkingRoutines.html)

**iPads are a powerful vehicle for promoting inquiry, creativity and reflection in learning.**

- Think, Puzzle, Explore about our central idea (pairs or small groups)
- Use Keynote to record your ideas and wondering

# Puzzle

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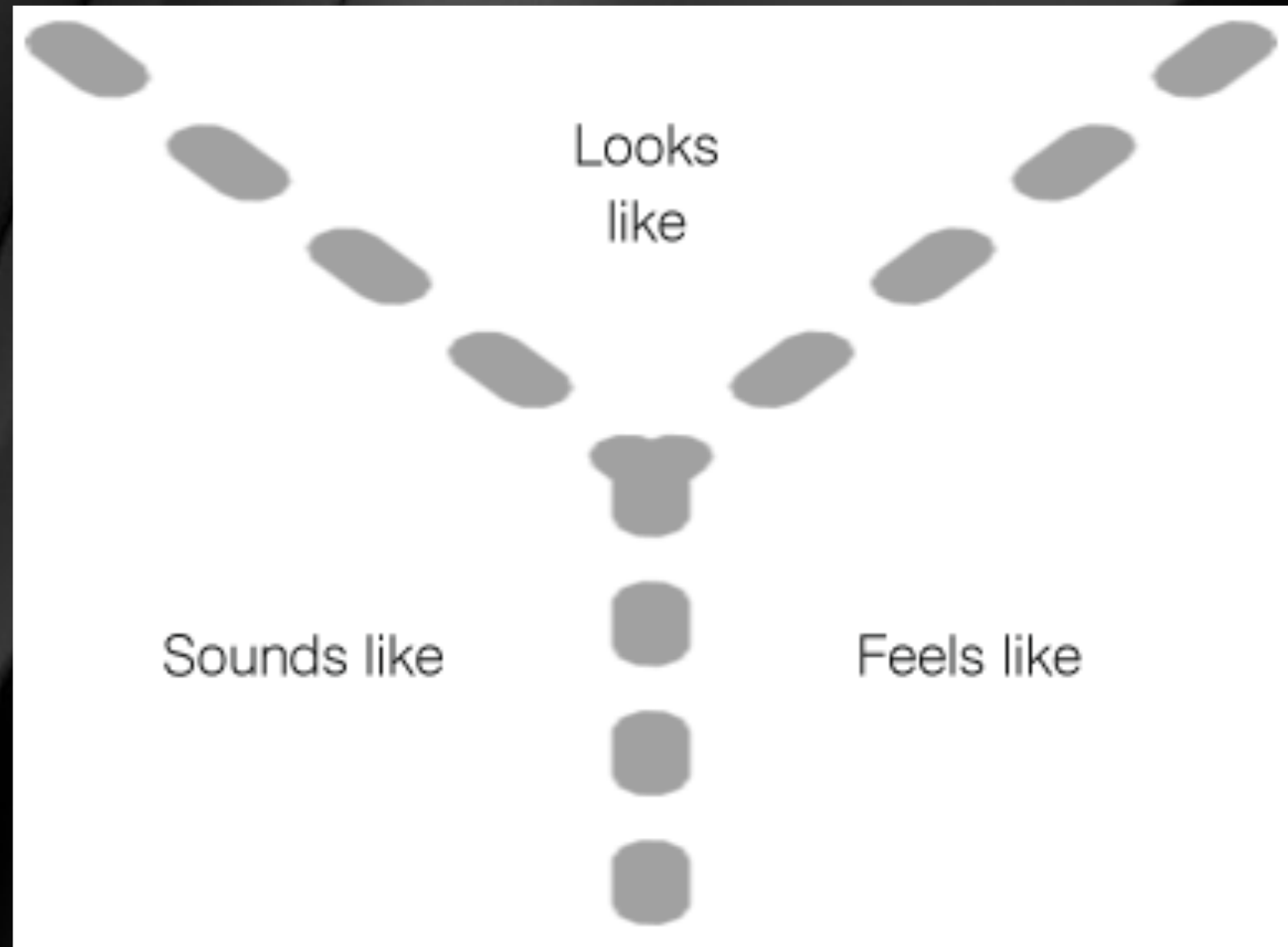
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# Explore

# Think

# What is inquiry?

- Think, Pair, Share
- Divide into three sections and complete a collaborative Y-Chart about inquiry....what does it look like, sound like and feel like?





# Constructivism and Inquiry

- Vygotsky defined learning as “the creation of meaning that occurs when an individual links new knowledge with existing knowledge.”

Williams B. and Woods M. *Building on Urban Learners' Experiences*.  
Association for Supervision and Curriculum Development 1997

# Constructivism and Inquiry

- Constructivism is a "view of learning in which learners use their own experiences to construct understandings that make sense to them, rather than having understanding delivered to them in already organized form....Learning activities based on constructivism put learners in the context of what they already know, and apply their understanding to authentic situations."



# Constructivism and Inquiry

A close-up photograph of a pile of colorful LEGO bricks. The bricks are in various shapes and sizes, including 1x2, 1x3, 1x4, and 2x4 bricks. The colors are primarily red, yellow, green, blue, and grey. The bricks are scattered on a dark, textured surface. The text "Constructivism and Inquiry" is overlaid in white at the top of the image.

[http://upload.wikimedia.org/wikipedia/commons/3/32/Lego\\_Color\\_Bricks.jpg](http://upload.wikimedia.org/wikipedia/commons/3/32/Lego_Color_Bricks.jpg)

# What is inquiry?

- First and foremost, Inquiry is a stance or a mindset.
- Flexibility
- Ownership
- Promoting and harnessing the students' natural curiosity



# iPads...our learning journey



## Newington College

Discover  
what's possible

# iPads...our learning journey

Initial stages of our journey

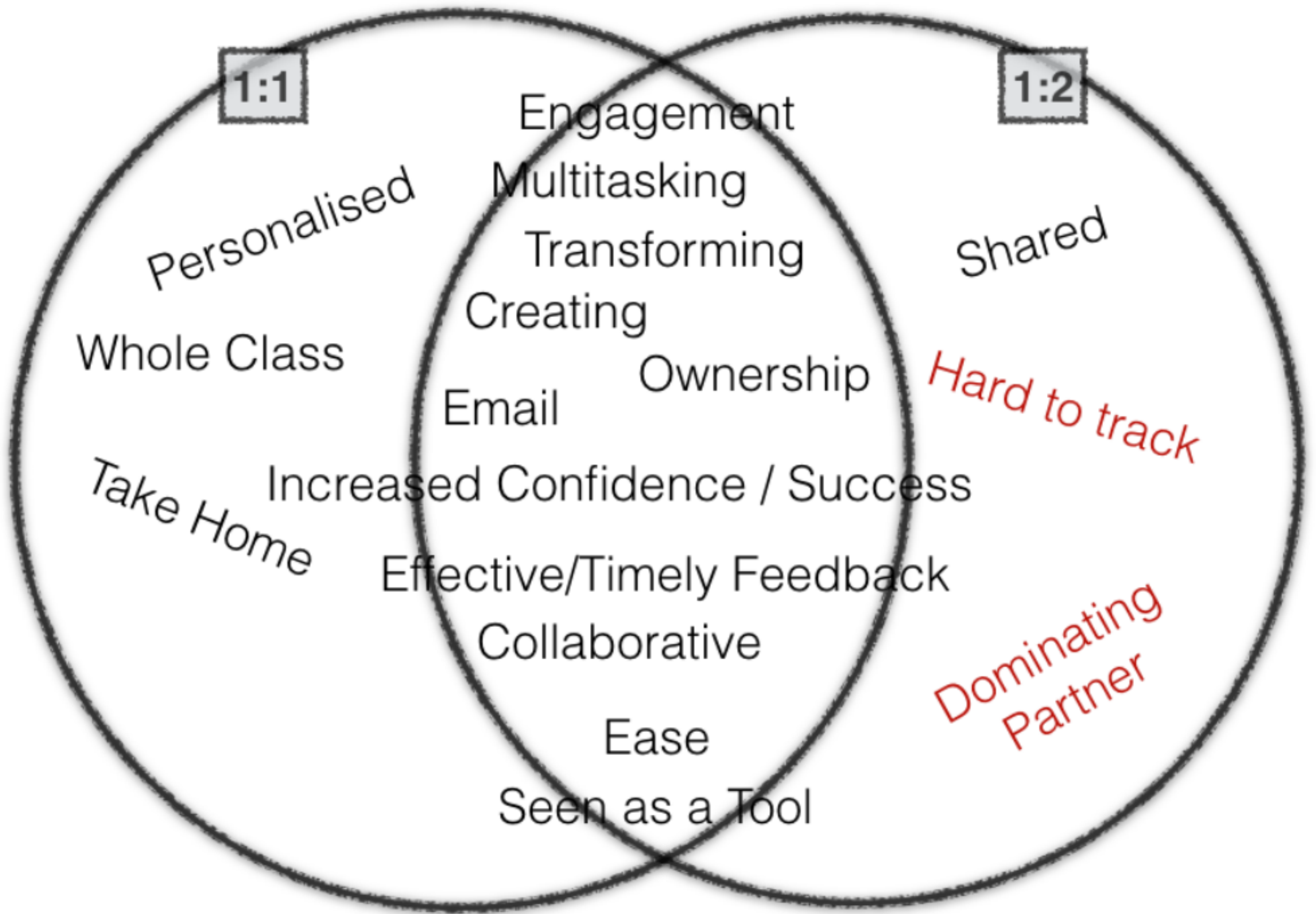
1:1 – Year 4

1:2 – Year 2

1: Many – available  
for all classes







# iPads...our learning journey

- Consumption v Creation
- 1:1 program in Years 5 and 6.
- 1:many K-4
- File Management
- Ownership
- Parent Information and Partnership
- Focus on the iPad as a learning tool



# **Technology Essential Agreement**

## **Our Technology Agreement**

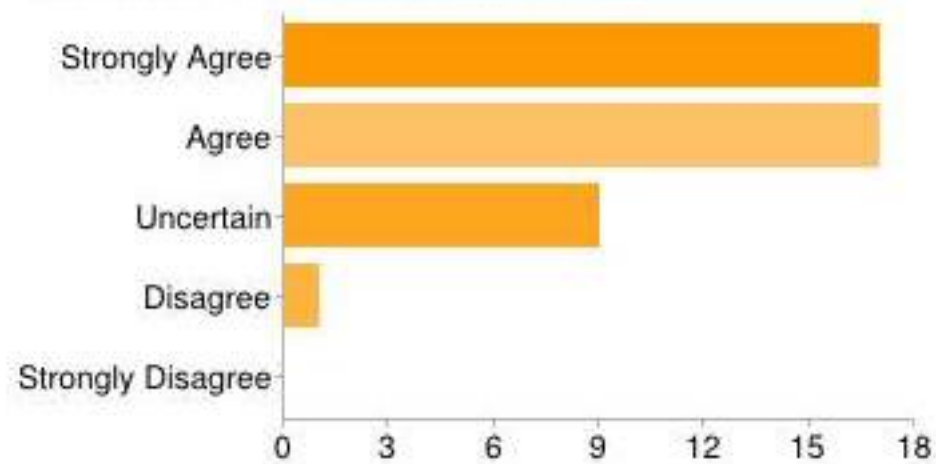
**We will always use technology appropriately and respectfully**

**We will be efficient and on task when using technology devices**

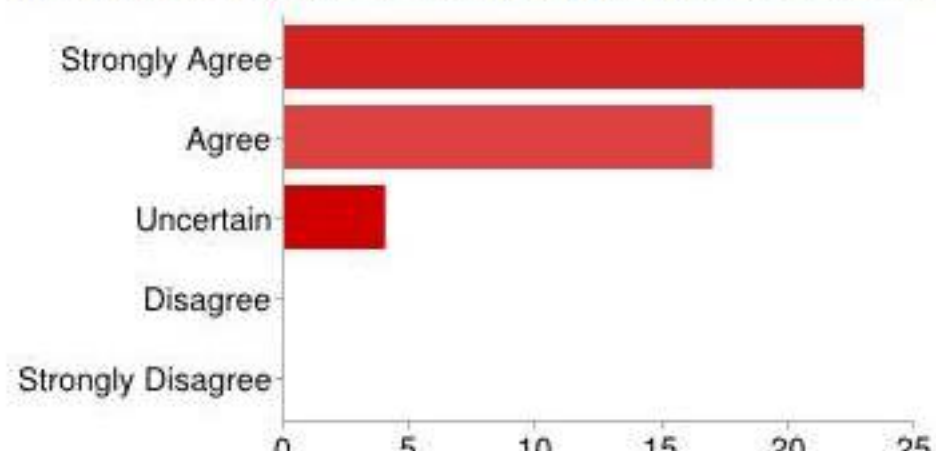
**We will be collaborative and share our discoveries with the class**

# Surveying the boys

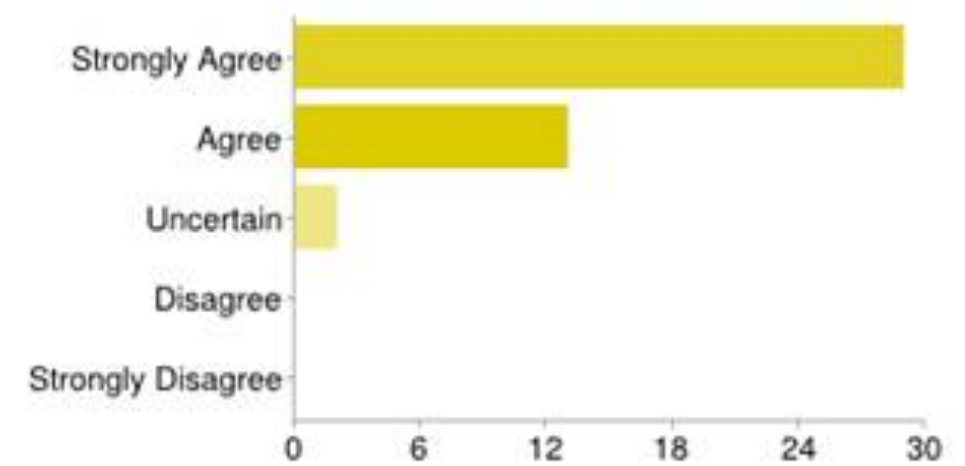
Using my iPad helps improves my learning



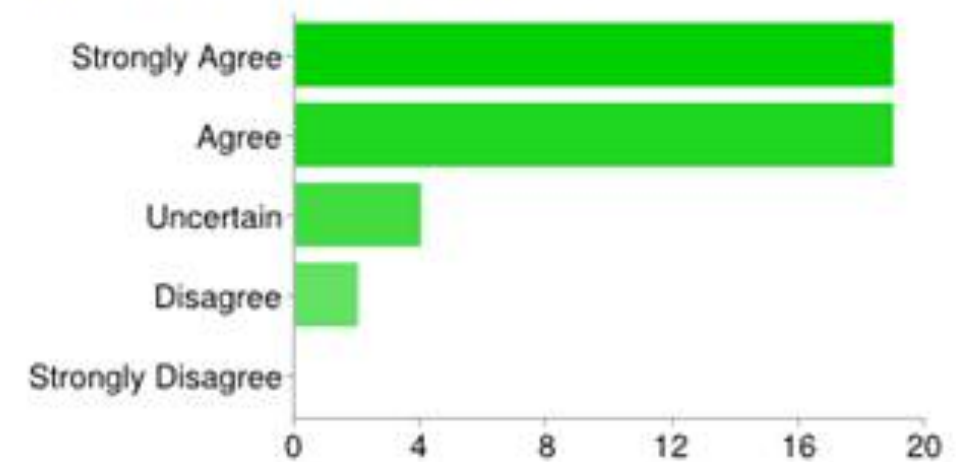
Using my iPad has allowed me to learn and express my learning in new and different ways



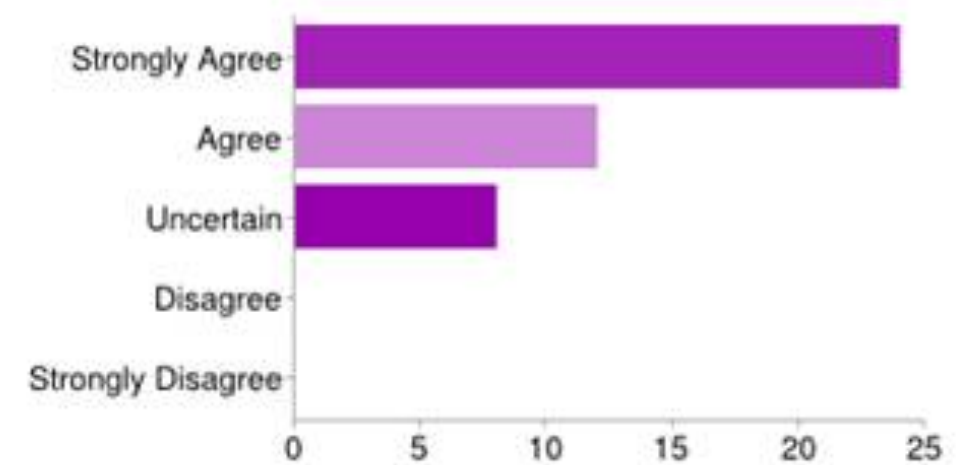
My iPad helps me to learn new information and skills



The iPad has changed the way I learn

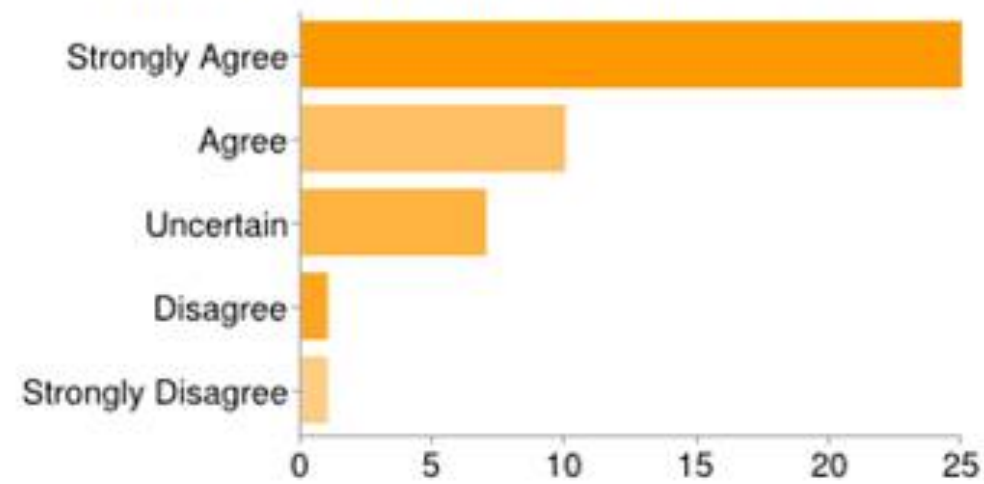


I prefer the way that I learn with my iPad

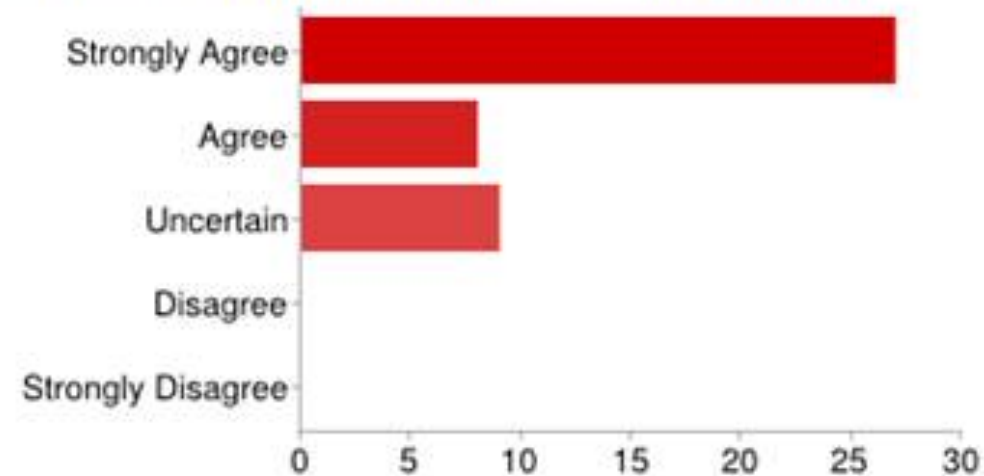


# Surveying the boys

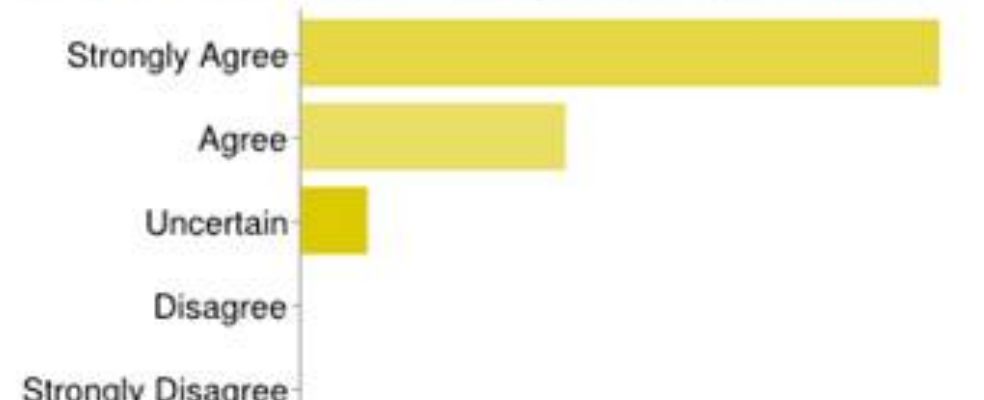
I have more freedom in the way that I learn using the iPad



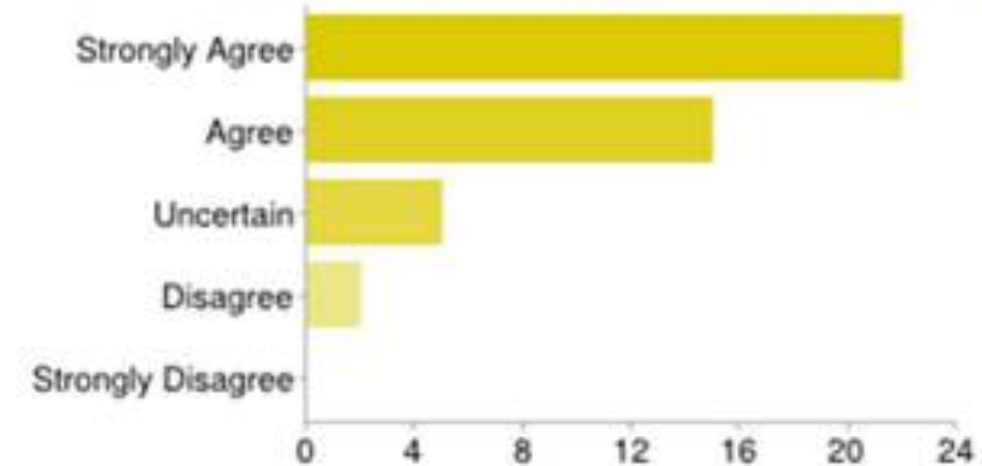
My iPad allows me to be more creative in my learning



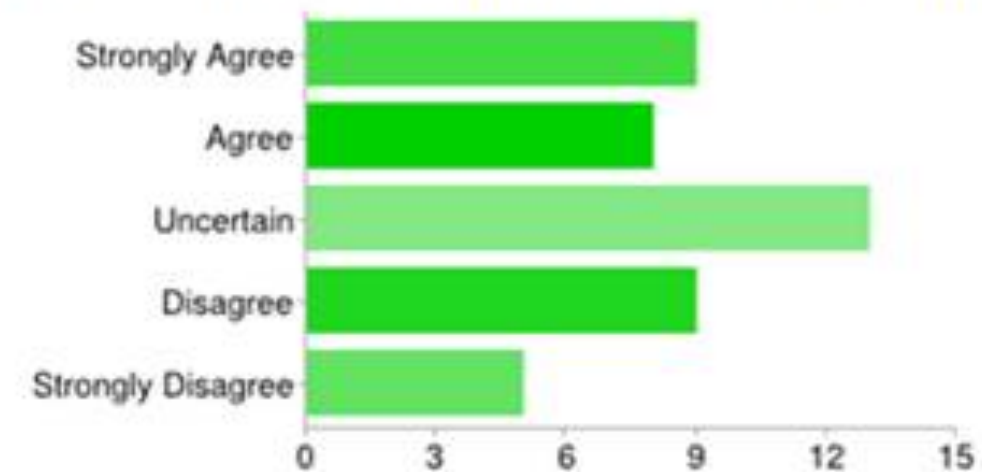
Using the iPad has improved the quality of my presentation



The iPad has improved the way that I work collaboratively with my classmates



The iPad has reduced the amount of time I have to work with my classmates





# iPads...our learning journey

## Success of the program

- Creativity - options - natural differentiation and use of learning styles
- Engagement
- Celebration of learning - in class and at home
- Speed, flexibility, ease of use
- Staff creativity and ICT engagement



**iPads as learning tools**

Avoiding.....

Nifty not necessary

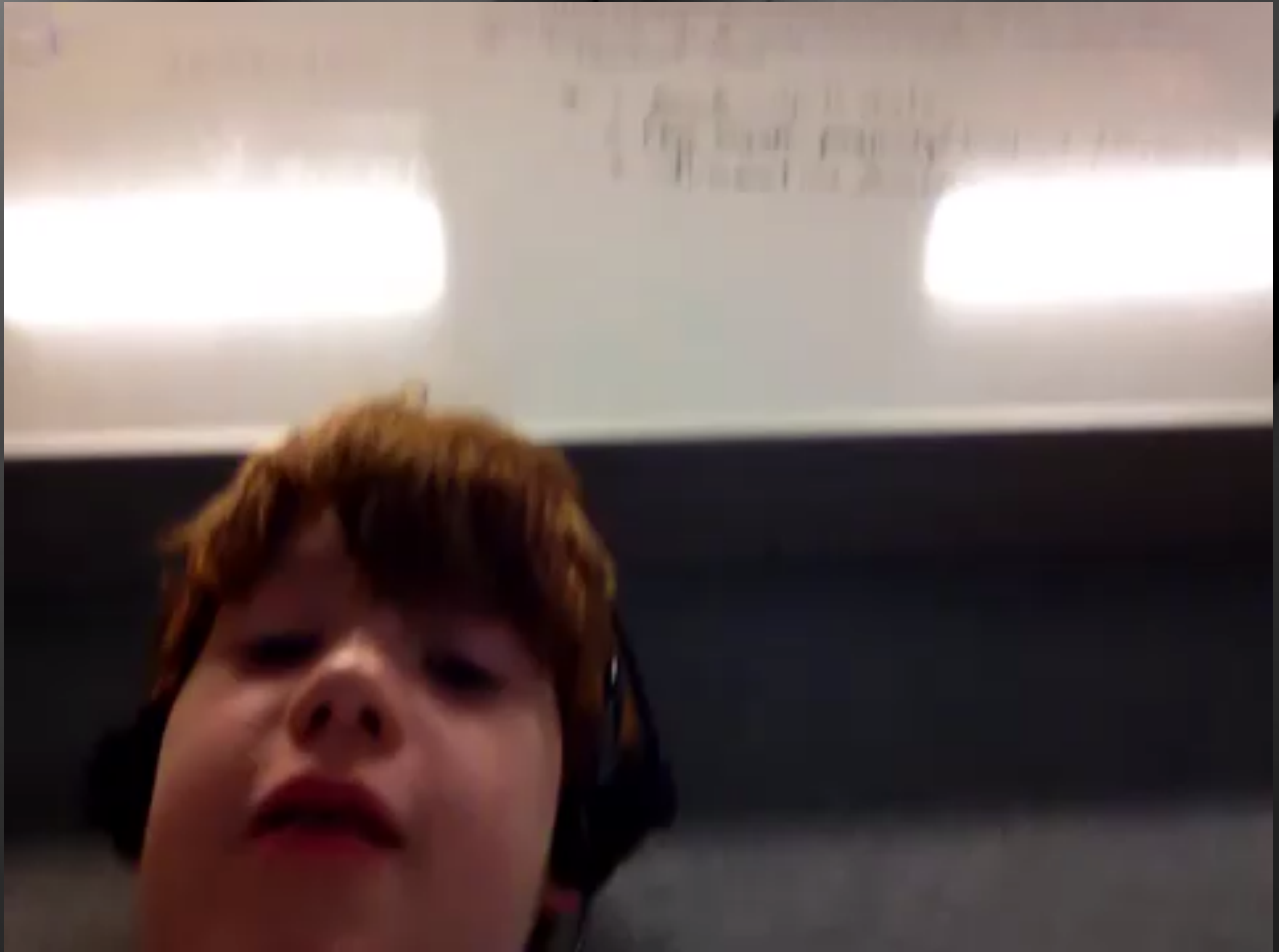


# iPad Wall





iMovie

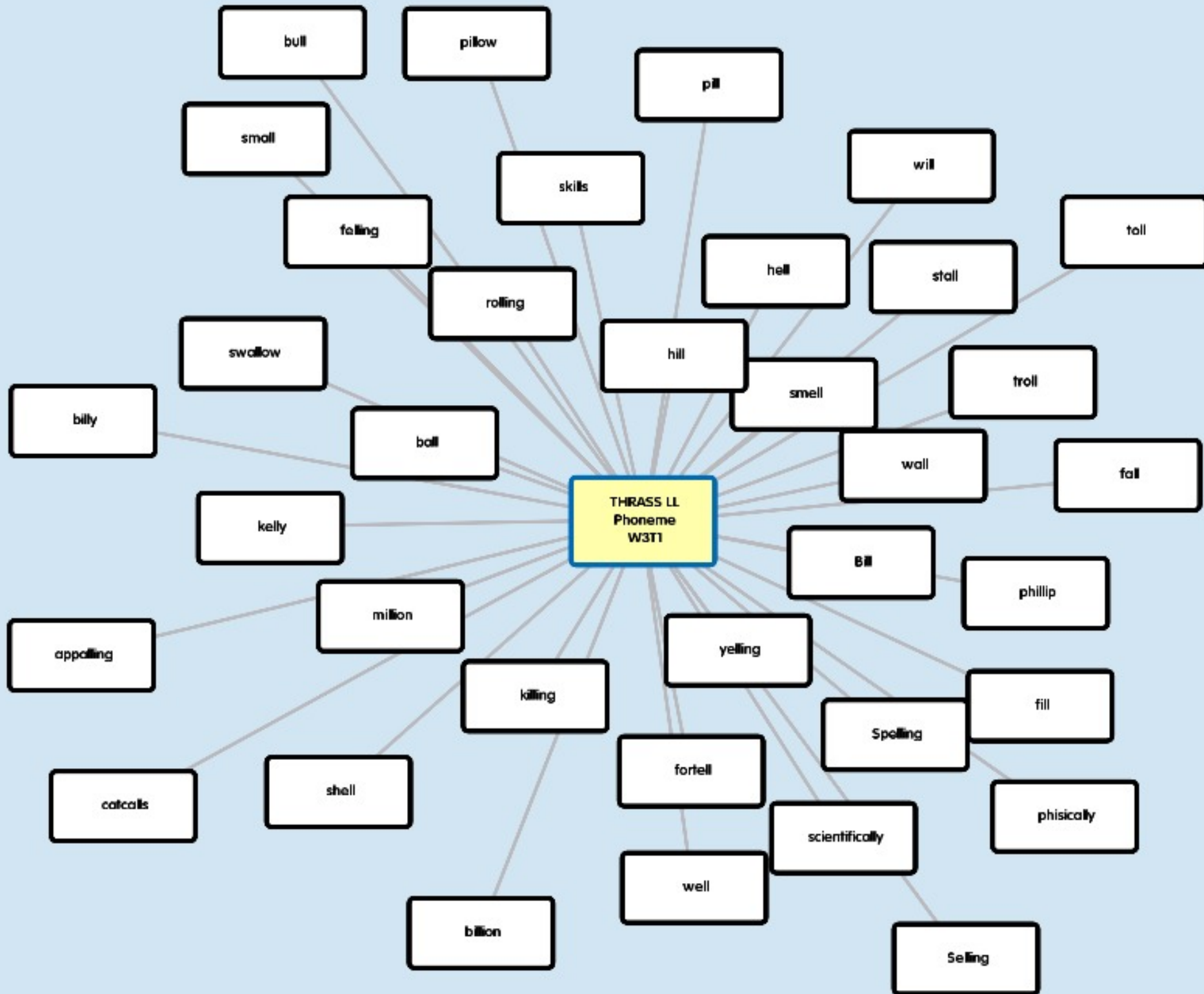


# Puppetpals HD



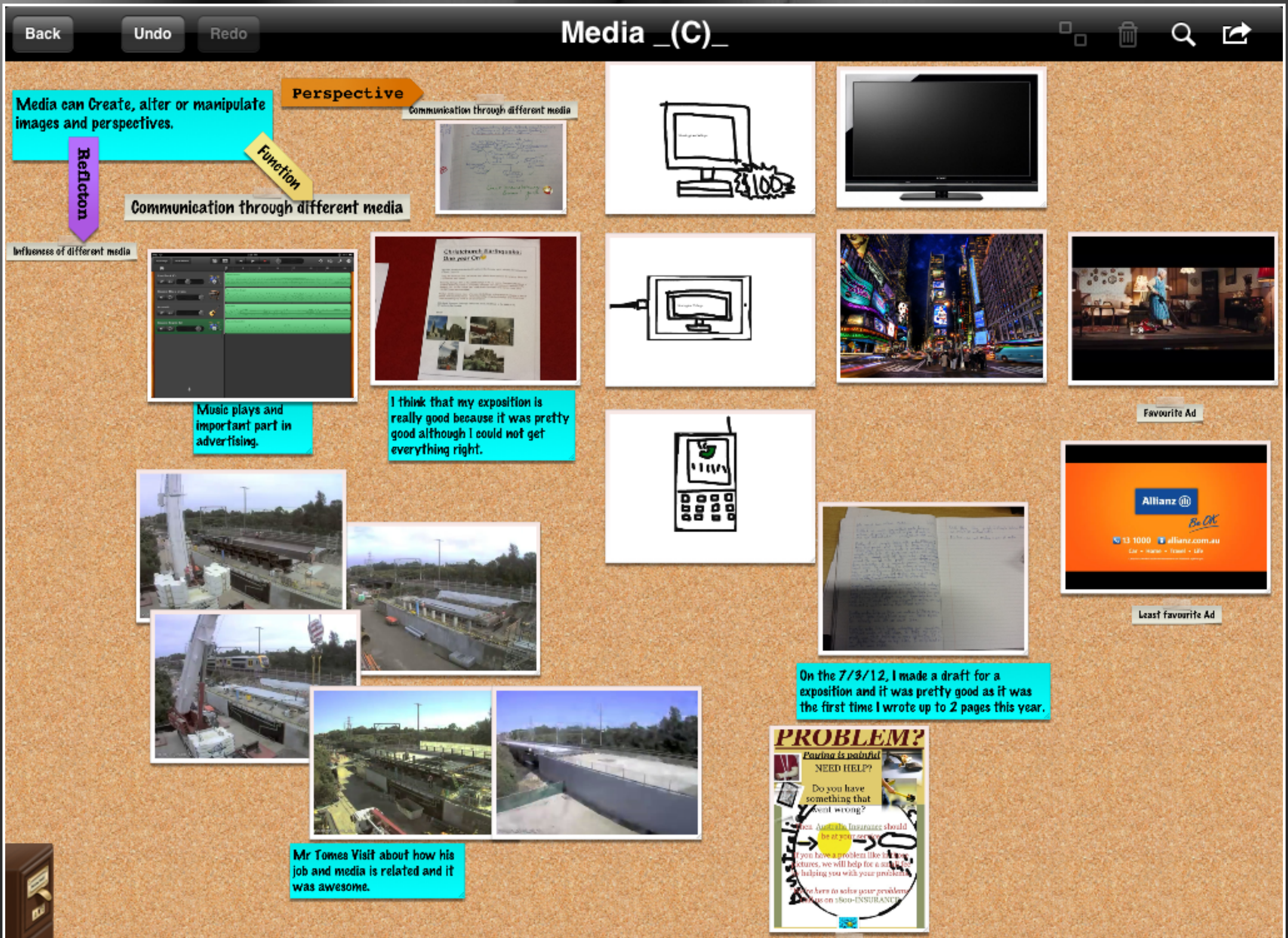


popplet: **THRASS LL Phoneme**





# Corkulous






# Explain Everything

These are some examples of a proper fraction.


Proper Fraction =


$$\frac{1}{2}, \frac{2}{12}$$

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These are some examples of improper fractions.

Improper Fraction =


$$\frac{17}{1}, \frac{19}{2}$$

## **Year 5 reflection this term**

**I think that I have achieved to play more fluently in my music this term.**

**I think that the group has played really well together and that the music sounds great. It has improved a lot since last year.**

**I think that getting to play the trumpet was a good choice because I enjoy to play it and continue to learn new notes on the trumpet**



# Strip Designer

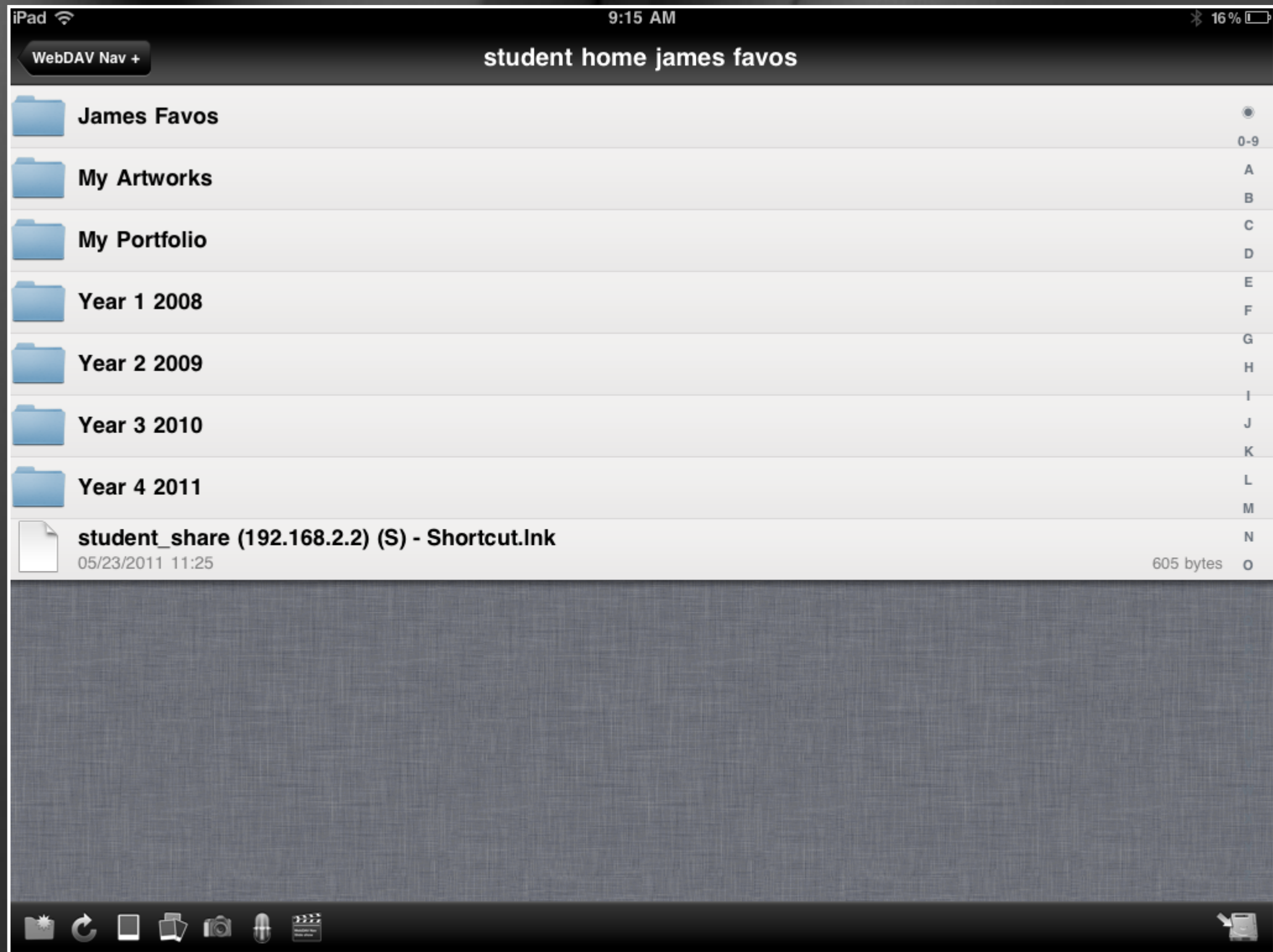




# Doodle Buddy



# WebDAV Nav+





# Splashtop Desktop

Spelling Term 3 Week 5.docx - Microsoft Word

Table Tools

Home Insert Page Layout References Mailings Review View Add-Ins Acrobat Design Layout

MaxWrite Paste MaxWrite Clipboard

Berlin Sans FB 28 A A Aa ab x<sub>2</sub> x<sup>2</sup> Aa ab A

Font Paragraph Styles Editing

Find Replace Select

Change Styles

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28

| Spelling Term 3 Week 5 |                 |                 |
|------------------------|-----------------|-----------------|
| Graphs                 | Digraphs        | Trigraphs       |
| brighter               | chatted         | jewellery       |
| fighter                | chopped         | journalist      |
| lighter                | dragged         | miniature       |
| prouder                | dropped         | parliament      |
| slower                 | grabbed         | secretary       |
| stronger               | patted          | rebellious      |
| weaker                 | permitted       | scrumptious     |
| baker                  | skipped         | surreptitious   |
| braver                 | tripped         | suspicious      |
| closer                 | wrapped         | victorious      |
| variety                | variety         | variety         |
| satisfaction           | satisfaction    | satisfaction    |
| regulation             | regulation      | regulation      |
| competition            | competition     | competition     |
| diversification        | diversification | diversification |

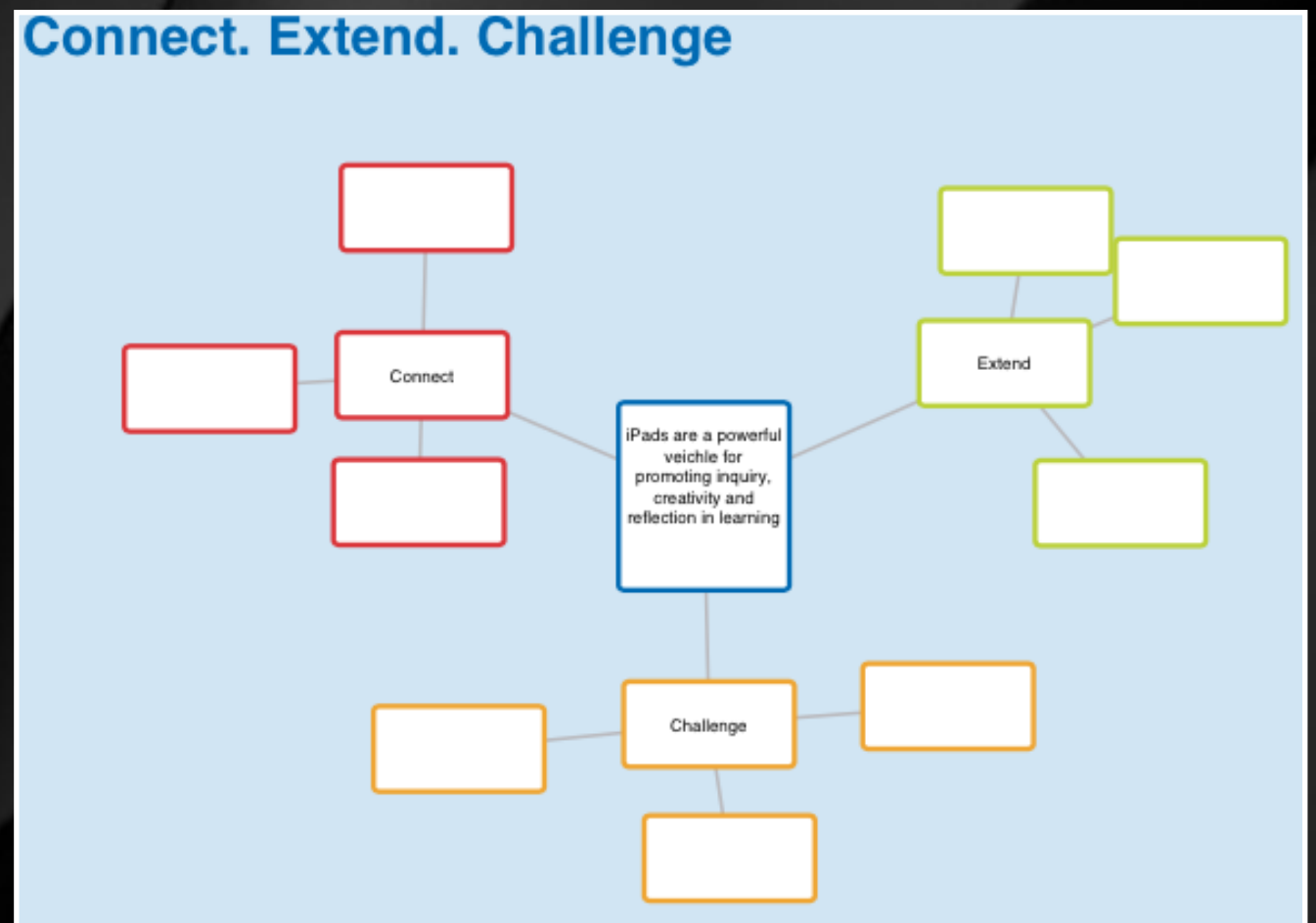
Page: 1 of 1 Words: 53

NCL11-IPD-028 is controlling this computer

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# iPads are a powerful vehicle for promoting inquiry, creativity and reflection in learning.

Use Popplet and the thinking routine 'Connect, Extend, Challenge' to reflect on your thinking from this workshop.

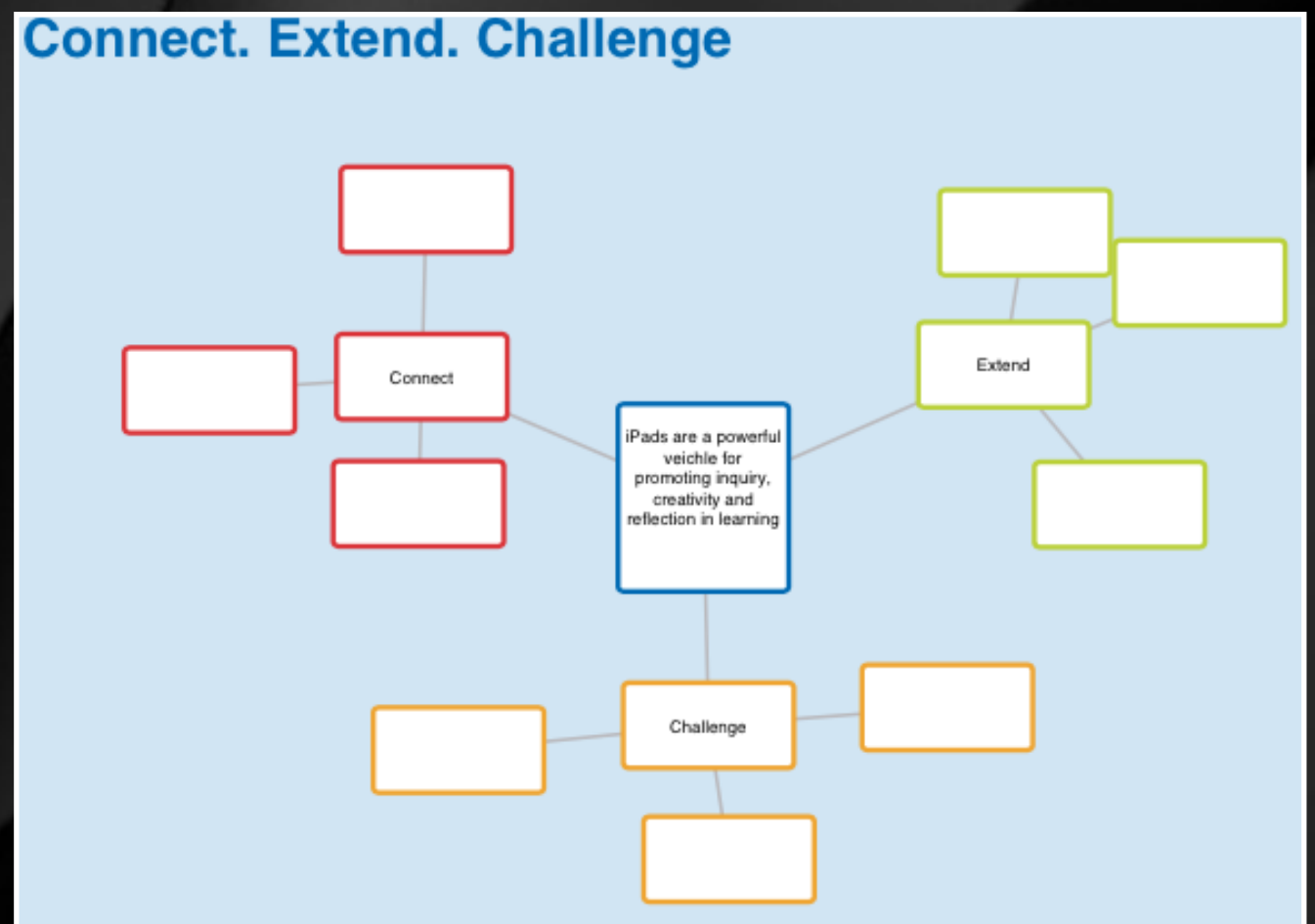




# iPads are a powerful vehicle for promoting inquiry, creativity and reflection in learning.

Anything to share

Email us your Popplet...we'd love to see your connections and reflection.



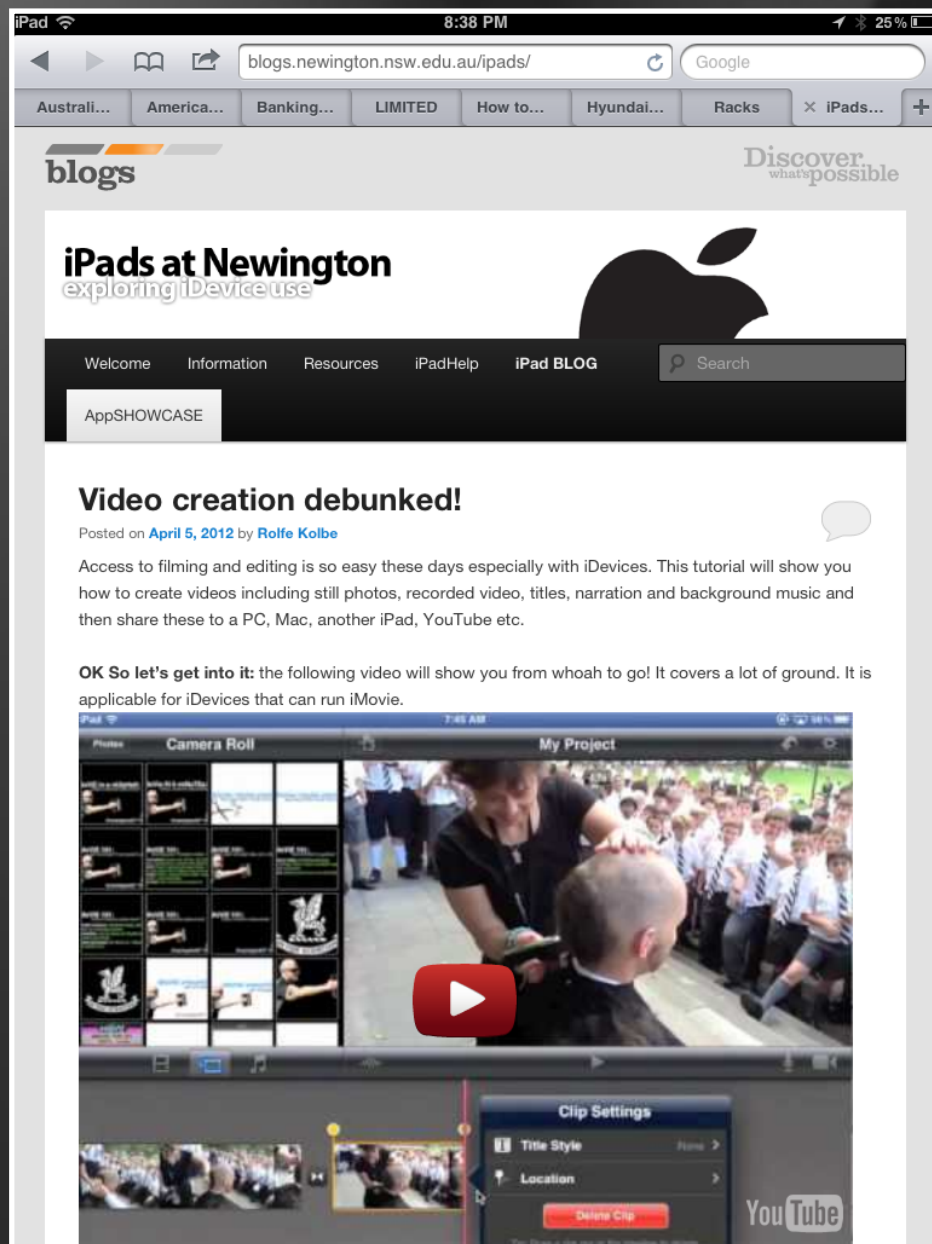


# Recommended Sites

<http://ipad.ipadsforeducation.vic.edu.au/>

<http://blogs.newington.nsw.edu.au/iPads/>

<http://ipadeducators.ning.com>



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