



FEEDBACK

• https://forms.gle/GUkrqHXmL4ziR7Q97

8/12/2019

COMPUTER SCIENCE IS CHANGING EVERYTHING

DigiCon 2019 - Mel Yuan

- https://www.youtube.com/watch?v=x]qSu1lbcHg&list=PLzdnOPI1iJNfpD8i4Sx7U0y2MccnrNZuP&index=2&disable_polymer=true
- Get Inspired playlist

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SESSION GOAL

- Take a tour through some key parts of the code.org offering
- Get more value from existing usage or find ways to add-in to existing programs
- Share case studies, ideas, etc.
- => Demo
- Who is current using?
- Who is (not) considering using?
- For which grades?

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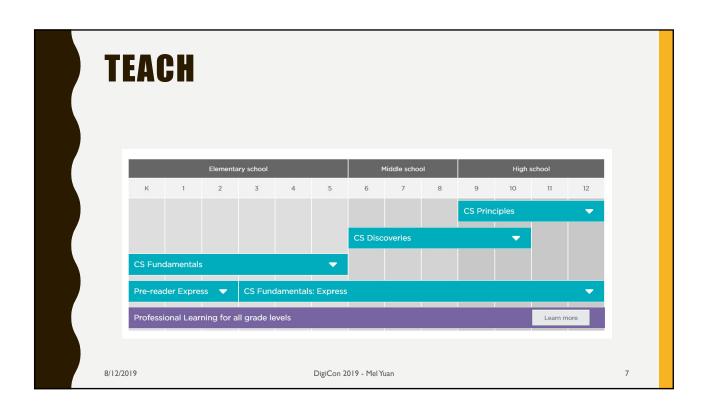
NICE TO MEET YOU

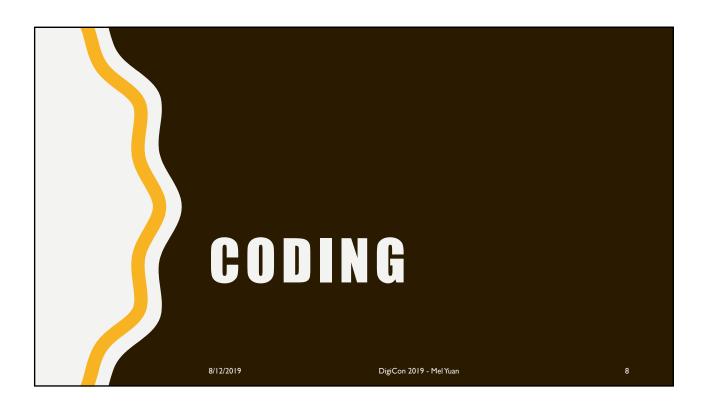


- myuan@Fintona.vic.edu.au
- Core DigiTech program years 5-8, with electives year 9-10
- A bit about me

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COURSES

- CS Fundamentals
 - Courses A-F
 - Courses I-4
- CS Discoveries
 - Web Development
 - Animation & Games
 - Physical Computing
- CS Principles
 - Intro to Programming
 - Building Apps

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ADMIN FEATURES

Y7 2017 Y8 2018 Y9 COD1A 2019	9	Computer Science Principles ('18-'19) Current unit: CSP Unit 3 - Intro to Programming ('18- '19)	64	YCNDQL	~
Y6 2017 Y7 2018 Y8 2019	8	Computer Science Discoveries ('17-'18) Current unit: CSD Unit 3 - Animations and Games ('17-'18)	79	DRMHNL	~
Y5 2017 Y6 2018 Y7 2019	7	Computer Science Discoveries ('17-'18) Current unit: CSD Unit 3 - Animations and Games ('17-'18)	62	MPMNTZ	~
Y4 2017 Y5 2018 Y6 2019	6	Course 2	50	QTRRZP	~

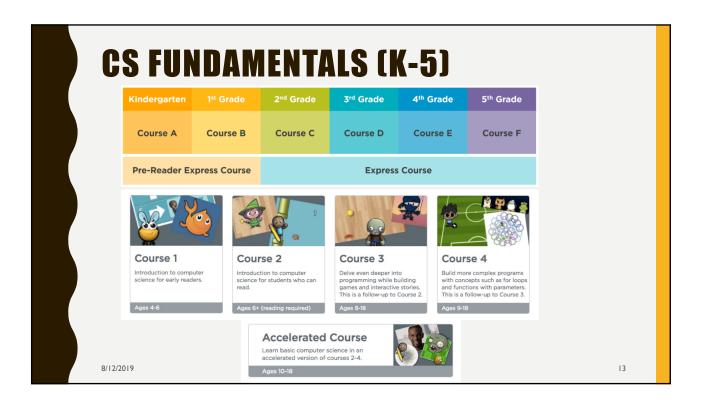
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KEY POINTS

- Videos
- "Ask 3 then me"
- · "Rubber ducking"

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CS DISCOVERIES (6-8)

- Web Development
 - Khan Academy Intro to HTML/ CSS Making webpages
- Animation & Games pathway direct from CSF (GameLab)
 - Khan Academy Intro to JS Drawing & Animation; Advanced JS
- Physical Computing
 - Adafruit Circuit Playground

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CS PRINCIPLES (9-12)

- · Intro to Programming
- Building Apps (AppLab)
- AP course https://apcentral.collegeboard.org/about-ap/ap-a-glance
 - The Advanced Placement Program® (AP) enables willing and academically prepared students to pursue college-level studies while still in high school. The program consists of college-level courses developed by the AP Program that high schools can choose to offer, and corresponding exams that are administered once a year.

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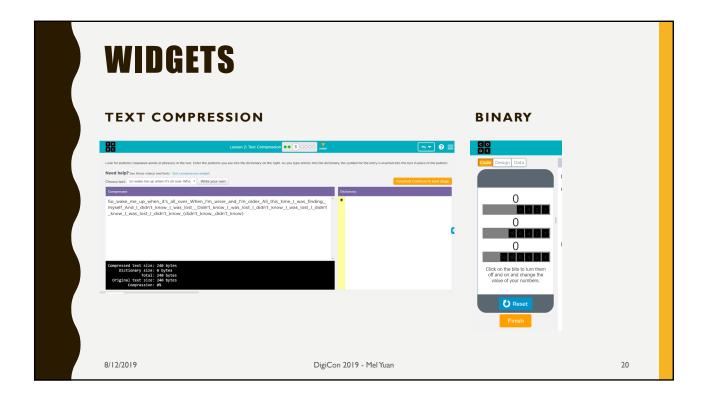
CS Fundamentals	CS Discoveries	CS Principles
Binary Bracelets (3) Binary Images (4)	Data & Society (5) - ASCII - Binary - Images - Numbers - Encryption	The Internet (I) Representing and Transmitting Information Digital Information (2) Bytes & File sizes Text compression BW Images Colour Images Lossy vs Lossless compressio
Internet (3)	Problem Solving & Computing (I) - What is a Computer - Input and Output - Processing - Apps and Storage	The Internet (I) - Inventing the Internet

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VIDEOS

- How Computers Work
 - https://www.youtube.com/playlist?list=PLzdnOPIIilNcsRwlhvksEoItlqilqWbN-
- How the Internet Works
 - https://www.youtube.com/playlist?list=PLzdnOPI1iJNfMRZm5DDxco3UdsFegvuB7

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THROUGHLINES CS Discoveries **CS** Principles Data & Society (5) Big Data & Privacy (4) - Problem Solving & Data - Big Data - Big Data - Vizualisations - Structuring Data - Data Innovations Making Decisions with Data - Identifying People The Cost of Free - Interpreting Data - Automating Data Decisions Encryption Cybercrime 8/12/2019 DigiCon 2019 - Mel Yuan 22

