**Hour of Code**

**Tuesday 28 November 2pm in CHC**

**Introduction:** Coding & Robotics Captains (Amy and Ellen)

**Video:** <https://www.youtube.com/watch?time_continue=12&v=FC5FbmsH4fw>

(Mr Duncan will run video)

**Organisational Details**: Coding & Robotics Captains (Amy and Ellen)

There will be students from Coding & Robotics Club who will be assisting in the CHC with the younger students and their activities. There is a plan for set up at the bottom of this guide.

Once the captains have finished speaking these are the plans for each grade level:

**Year 4, 5 & 6 Students**

These links can be put on Aidan’s Central or Edmodo for your girls to access. If the girls would like to select their own activity then use this link:

<https://hourofcode.com/au/learn>

or select from these:

**Minecraft Designer:** <https://studio.code.org/s/minecraft/stage/1/puzzle/1>

**Minecraft Adventurer:** <https://studio.code.org/s/mc/stage/1/puzzle/1>

**Actimator: Myra's Dream:** <https://www.actimator.com/hoc/dream?step=1>

**Create your own Google logo:** [https://csfirst.withgoogle.com/en/hoc2017#](https://csfirst.withgoogle.com/en/hoc2017)

**Year 3R ( Divide into 3 Groups to rotate the following activities)**

**(Rachael and Olivia B)**

1. Pro Bots(4)….in pairs program a Pro Bot to draw a square, rectangle and triangle then write letters, perhaps try to write own name!
2. Memory Game…..computer parts …..using Hello Ruby cards to play.
3. Dash….using Blockly to program a Dash robot to complete Christmas Books course

**Year 2( Divide into 4 groups to rotate the following activities)**

**Laptops will be required for two of the activities**

**(Olga and Lilian)**

1. Kodable: <https://game.kodable.com/play?hc=1&user=56qhi5i>
2. Crossing the river game…… L, R, F, B…run by student from Club
3. Pro Bots(4)…..program to draw a square, triangle and rectangle….helped by student
4. Alice in Wonderland <https://www.scriptacademy.net/alice-in-wonderland>

**Year 1 (Divide into 3 groups to rotate the following activities)**

**(Penny and Thea)**

1. Scratch Junior….create a Christmas scene on an iPad
2. Blue Bots(2)….1)navigate Blue Bot to collect *Goldilocks and the Three Bears* cards in correct sequence 2)word game on plastic sheet.
3. Unplugged activity…..F,B,L,R to get from one end of plastic sheet to other.

**Prep (Divide into 3 groups to rotate the following activities)**

**(Isabella, Zahra and Amy)**

1. Fuzzball direction cards with obstacles………student will help girls through a pre-set obstacle course
2. ScratchJr on iPads…….or iPad…. <https://studio.code.org/s/pre-express/stage/7/puzzle/1>
3. Blue Bots(2)…play shape game Blue Bots(2)… play Island game

**Kindy will come until 2.30pm (divide into 3 groups)**

**(Ellen and Sophie)**

1. Bee Bots(2) …to navigate road way. Bee Bots (2) ….to navigate taped course
2. iPads for Bee Bot App…..work with Ms Schafer.
3. Being a robot with direction cards……Mrs Welsh will give directions using cards.

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| **Stage in CHC** |
| **Year 3**  **Year 2**  **Year 1**  **Prep**  **Kindy**  **4, 5 & 6 students with laptops, at back of hall for introduction.** |