

Sec 1 - Invitation to Code

Creating A Coding Flowchart

Activity

Students are to create a coding flowchart to demonstrate their understanding of basic function. The example of the function can be a mathematical problem or a simple set of instructions using commands eg. Making a cup of coffee, brushing your teeth.

Objectives












- Students can demonstrate the use of commands and sequences in an everyday situation.
- Students can create a flowchart using shapes and put them in sequence.
- Students can describe what commands and sequences are.
- Students understand the importance of order when sequencing instructions.
- Student explains his/her reasoning and decisions (CIT)

Extensions

- Students can explore Swift playground Learn to Code 1 and 2 to build up their foundation of Swift, the programming language used to create apps for Apple products.
- Teachers can reference Learn to Code 1/2 and 3 for lesson ideas and activities to support computational thinking/skills in school.

Have a go



- 1 Go to , create a new Keynote presentation. Choose the white theme, add a blank slide to your keynote presentation.
- 2 Tap  on the top right hand corner, and under  Basic to enable text-box and add shapes. To modify the size and shapes - select the text and tap .
- 3 Use Apple Pencil to tap on the screen in Keynote to activate the drawing mode to answer the questions or tap  on the top right hand corner, and under  and tap drawing to activate drawing. Press **Done** on the top right corner to leave drawing mode.
- 4 Tap  on the top right hand corner, and under  Record Audio to verbalise and record how their coding flowchart would work. (This allows students to reflect on their own command)
- 5 Tap  export to movie or images. Tap  to save video/images. Close Keynote and tap  to open your video/image in Photos.

Join Our
Community to
gain benefits!

www.iPadForLearning.sg