



# CODE CLASS CONNECTIONS A 21C SERVICE TO SCHOOLS

The Code Class Connections (CCC) program draws on the author's past and current experiences, spanning over more than 25 years, teaching people to code. The program introduces volunteers to coding which they share with upper primary students.

Participants are trained in **Scratch** and other application languages if demand exists. Laptops are available and WiFi is not essential. Each coding session runs for around 2 hours with classes sizes limited to a maximum of 25 ensuring everyone receives worthwhile instruction. The training to a level that satisfies school expectations takes 12 hours, supplemented by follow up sessions based on subject specific projects undertaken in schools. Ability to drag and drop is expected, along with basic keyboard skills. There is minimal navigation involved. Volunteers will be assisted to form collaborative groups to further develop their skills and provide support for each other.



Primary schools will be requested to dedicate two hours of coding time per week for each participating class. CCC facilitators, under a volunteer service agreement, deliver the skills supported by classroom teachers. Regular debriefing sessions will reflect on what's working and what needs tweaking. It is hoped that students complete coding projects centred around current in class topics within a school term.

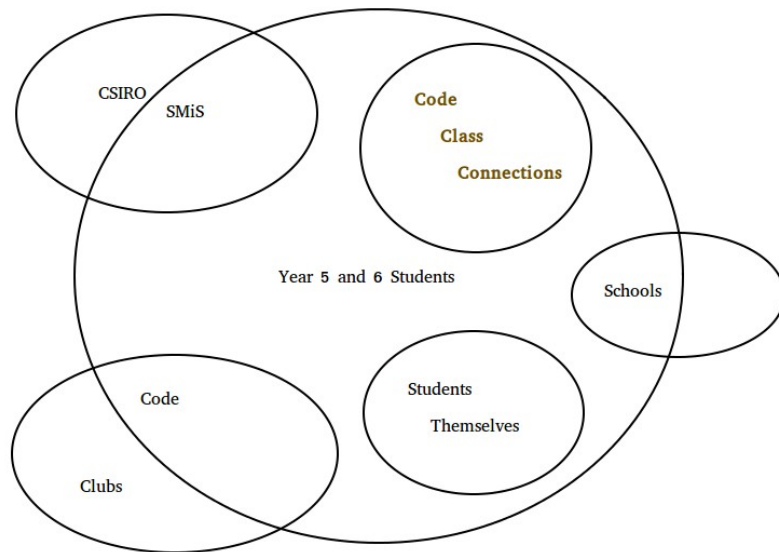
After school code clubs are usually attended by students with an interest in coding. Schools may or may not include coding in their programs however the data suggests this is not very common and likely to be an additional activity. The CSIRO ICT in Schools program is an ideal methodology but it's reliance on local volunteers with the expertise to deliver coding is unlikely to have much of an impact. Code Class Connections also relies on capable volunteers however they are trained in targeted skills designed to embed coding into regular classroom practice.



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The diagram provides a rough idea of the current coding dynamic for Years 5 and 6 students. Code Class Connections aims to eventually train enough volunteers to fill the void.

The Code Demographic Assumption



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