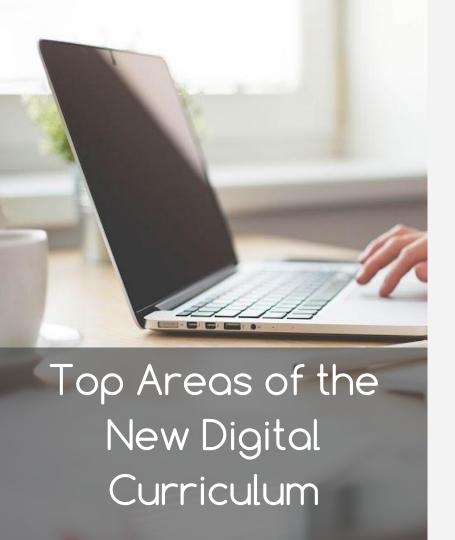# Coding and the Digital Curriculum

Unlock the Digital curriculum and learn how coding foundations can enhance the teaching experience

Demystify the coding landscape

Understand the foundations of coding and how these skills can be applied to accelerate your students adoption of the new digital curriculum. Coding is a simple way of breaking down super complex problems and allows you to grasp the broader implications of the explosions of technology and innovation in our world.

Coding also enhances the reasoning, problem solving and design thinking process of students and helps them to communicate more effectively in our ever expanding digital age.

Top Areas of the New Digital Curriculum

Design and Technologies

How are products designed

Who is involved in these processes

What impact does emerging technology have

What other factors influence design

Evaluating design ideas

Digital technologies

Recognise digital system components

Data sequencing

Information storage

Representing problems with data

Data visualisation

User experience

Outcomes

Learning to code,

changes your life.

The future is coming,

it's not waiting for you to

be ready.

Gain new skills, knowledge and experience
Give you confidence in the language of technology

Collaborate
With colleagues from different schools

Think like an entrepreneur
Look for business opportunities.
Solve customer and business problems using technology.

Understand Coding
Enhance problem solving, reasoning, critical thinking and approaches to design.

Confidence and Fellowship

Apply coding to cross curricular learning activities

CODING AND THE DIGITAL CURRICULUM - FOR TEACHERS

This 1 day workshop helps participants to understand the software development process and recognise how emerging technology can assist in solving problems.

We explore the new Digital Curriculum and how coding can be used to develop strategies to enhance cross curriculum activities.

HANDS ON CODING - FOR TEACHERS OR STUDENTS

In this 1 day workshop participants are exposed to programming fundamentals and the possibilities of applying coding concepts to transform school challenges.

Get hands on and build a web application to stretch your mind with new approaches to problem solving and critical thinking.

STUDENTS DEEPER DIVE - FOR STUDENTS & TEACHERS

This intensive program is delivered over a term in 2 hour sessions. An actual school or community problem is identified and you and your students undertake a mini hackathon to create a solution and build a web application to resolve the issue.

Face the challenge like a technology startup and use design thinking and coding to create a working product that your school can promote across the faculty and beyond.

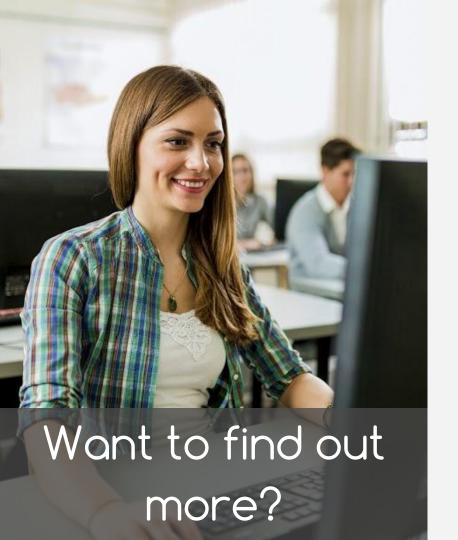| Program	Timeframe	Topics covered
Coding and the Digital Curriculum	1 day (7 hours)	Software creation process Emerging technology trends Digital Curriculum Application Cross Curriculum activities
Hands on Coding	1 day (7 hours)	Programming fundamentals Emerging technologies Design thinking Build a web application
Student Deep Dive	1 term (20 hours total)	Software tools and libraries Web design basics Programming fundamentals Databases Application design Building a web application

Who is Coder Factory?

Coder Factory Academy

A technology and entrepreneurship college for business owners and professionals.

Participants in our programs come to us from many different backgrounds and careers. They are motivated, driven individuals with ideas to make improvements in their work, the businesses they run (or work for) and solve problems for the communities they live in.

Coder Factory Academy's experienced educators are passionate about technology and the power it gives those who understand it and can create it

Want to find out more?

Send us an inquiry through

enquiries@coderfactory.com

or visit

www.coderfactory.com