scopeIT
EDUCATION

Professional Development
for Educators

"The day was very informative and answered a lot of my questions. The course has definitely provided me with enough info to bring coding into the classroom efficiently."

"I really enjoyed the day and came a long way in my coding learning journey."

"We broke coding down into four beginner sections with set out examples then online tasks of how to teach and introduce each of these to students."

With mandatory curriculum being introduced across most states and territories in Australia, digital technologies now comprises an important STEM learning pathway. We've done all the hard work to create exciting lesson plans that are matched to each of the curriculum requirements.

Teach Digital Technologies in your classroom

Schools commonly tell us that they know how important a digital technologies education is for their students, but that the implementation of a program poses the greatest challenge.

Our PD courses assist schools by building the digital literacy of educators, and helping teachers to establish their own digital technologies strategies and learning pathways.

Get savvy with technology through our one-day courses

ScopeIT Education's PD courses equip teachers with the specialist knowledge, skills and depth of context to introduce digital technologies in their schools. Our one-day courses provide the background learning concepts to enable teachers to understand and instruct in specific areas of learning including coding, 3D printing, Web 2.0, online safety, Google apps, Minecraft, robotics/electronics and website design.

No prior knowledge is needed, we provide the full learning experience. All technology and materials are supplied. Our experienced trainers have developed these educator PD courses based on our popular primary school lessons offered in 270+ schools throughout Australia.

Curriculum aligned, professionally delivered

These courses are carefully aligned to a range of Australian Professional Standards for Teachers (APST).

Our trainers are experienced educators and the PD course material has a strong pedagogical backbone. Teachers can expect to come away with a strategy for bringing their classroom and school up to speed with today's technology, integrate technology into learning across all classroom subjects and understand the fundamental concepts behind the plethora of emerging digital technology learning platforms that are available.

About ScopeIT Education

ScopeIT Education is one of the world's leading digital technologies educators, delivering lessons to more than 21,000 students per week.

We are an international network located in Australia, New Zealand, Malaysia and the USA. Our core focus is digital literacy education, offered via:

• In-school weekly lessons for primary school students
• One-day technology incursions for high school students
• After-school and holiday clubs for children aged 7-17
• Professional development for educators
• Virtual classroom, teacher-led learning packages.

Course Outcomes

Teachers with varying degrees of prior knowledge in the digital technologies space will leave our full day workshops empowered, upskilled and trained in relevant, up-to-date, meaningful beginner digital technology use and integration.

Technology integration is far more than simply using iPads in classrooms, watching a YouTube video on the SMART Board or typing up a story in Word.

Teachers will experience firsthand the importance of effective teaching strategies when incorporating digital technologies learning. This is gained through live, carefully constructed hands-on demonstration. Over the course of a day, participants discover how crucial it is to have a comprehensive and planned ICT integration program that is tied to specific state and national curriculum outcomes.

Certification

Course graduates receive a printed and signed certificate as well as registration on the ScopeIT Education certification database for future reference from third parties (where required).

Completing a course will contribute 6 hours and 30 minutes of NSW Education Standards Authority (NESA) Registered PD, addressing the standard descriptors on the following page from the Australian Professional Standards for Teachers towards maintaining Proficient Teacher Accreditation in NSW.

"I haven't experienced coding before and was feeling very apprehensive. The step-by-step approach to the basics made it feel achievable and also very easily transferable to my students."

"The mini-lessons were great and the time and opportunity to discuss the concepts really supported my learning."

"The practical component of the workshop was very useful, engaging and beneficial."

Courses

Each course duration is 6.5 hours of APST aligned content. Get in touch to request a course in your local area and to find out how we can help build your school's digital technology strategy.

DTPD01 – Programming and Planning for Digital Technologies: Beginner Coding

Teachers with varying degrees of prior knowledge in the digital technologies space will benefit from this course. They will leave our full day workshop empowered, up-skilled and trained in relevant, up-to-date, meaningful beginner digital technology use and integration. With a supportive, hands-on and practical approach, this course equips teachers with the relevant learning to make an immediate impact on their classroom.

Aligned to APST: 2.1.2, 2.2.2, 2.6.2, 3.2.2, 3.3.2, 3.4.2, 6.4.2

DTPD02 – 3D Printing and Design: Skills and Implementation

Teachers will leave the course having confidence creating in CAD but also a deep understanding of the process, applications, limitations, potential and considerations involved in 3D printing. Teachers will therefore have the knowledge and skills to be able to program and integrate this exciting and current technology into their classrooms - even if their school does not have a 3D printer! A number of CAD skills will explicitly be taught and practiced throughout the workshop.

Aligned to APST: 2.1.2, 2.6.2, 3.3.2, 3.4.2

DTPD03 – Online Web 2.0 Tool Discovery for your Integrated Classroom

The core focus of this workshop is to firstly support teachers in the selection of a range of quality, accessible Web 2.0 resources. The workshop demonstrates and categorises various tools and encourages teachers to explore, learn and evaluate tools that complement their personal pedagogies and strategies. Through hands-on learning and discovery, teachers will also experience the engaging nature of these tools and the possibilities that they provide in terms of student learning gains.

Aligned to APST: 2.1.2, 3.3.2, 3.4.2

DTPD04 – Safe and Savvy Teachers: Online Skills to Stay One Step Ahead of Students in Tech
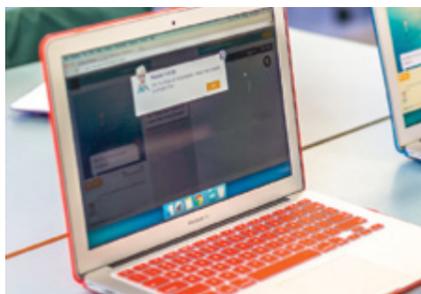
Teachers will gain a general understanding of the latest digital safety measures and also specific processes and tools that can be employed in their education. This course is all about getting the teachers to a savvy level of competence and ability to effectively be a step ahead of students. Teachers will be instructed on various topics to understand the risks and perils of online navigation and have strategies and tools at their disposal to provide a safe environment for their students.

Aligned to APST: 2.1.2, 4.5.2, 7.3.2

DTPD05 – Maximising the Power of Google for you and your Students: Apps and Skills

Teachers will leave this two part workshop with a wide range of new skills using Google's massively untapped search capabilities and apps, many of which the general population do not even know existed. Equip your students with the skills necessary for utilising Google to its maximum potential in a world where the internet is overflowing with information that can be true, factual, misleading, biased and even blatantly fake. Skills gained from this course can also be used to improve school communication systems and lessen the administrative load for teachers through convenient, time saving functionality.

**Aligned to APST: 2.1.2, 2.6.2, 3.3.2, 3.4.2**

DTPD06 – Minecraft for Learning
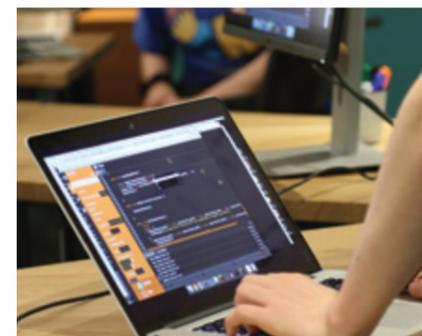
Teachers will leave the course having confidence not only navigating through Minecraft as learners but also in creating a safe and valuable learning environment for students once they return to their classrooms. This course seeks to address the challenges associated with applying a program predominantly used by students as a gaming environment and converting it into something that has true educational benefit. Teachers will be provided with a resource booklet of curated lesson plans relevant to their age group.

Aligned to APST: 2.1.2, 2.6.2, 3.2.2, 3.4.2

### DTPD07 – Revolutionary Robotics: Starting with Electronics
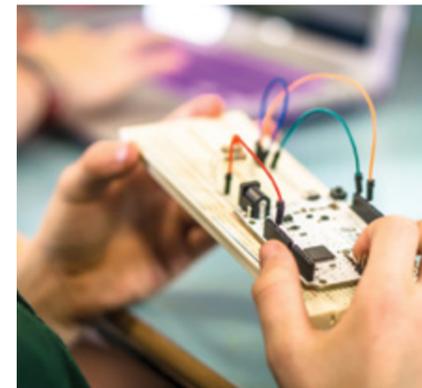
This workshop is designed to take prior knowledge in beginner coding concepts to the next level by adding a physical element through electronics. Teachers will understand the concepts required to get the most out of electronics and will leave the workshop able to facilitate student learning in the design, construction and control (in the form of Blockly coding) of electronics projects, ready to move onto robotics. This course will utilise Arduino and a range of components as well as exploring concepts such as circuits, inputs, outputs, digital, analog, voltage, resistance, ground, coding in electronics and safety.
Prior basic knowledge of beginner coding is recommended for teachers.

Aligned to APST: 2.1.2, 2.2.2, 2.6.2, 3.2.2, 3.3.2, 3.4.2

DTPD08 – The World of Website Design with Wix
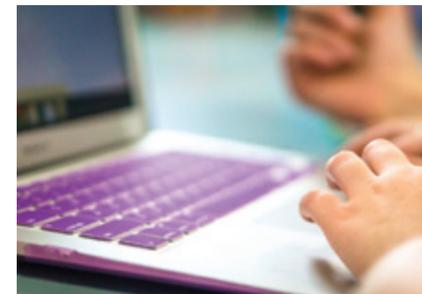
This workshop will begin by upskilling teachers in the use of the drag and drop website creator - WIX. In particular, learning will focus on the design elements of creating an impactful website and will take into account factors such as UI (User Interface), UX (User Experience) and SEO (Search Engine Optimisation). Through hands-on learning and discovery, teachers will also experience first-hand, the engaging nature of this tool and the possibilities that it provides in terms of classroom integration.

Aligned to APST: 2.2.1, 2.2.2, 2.2.6, 2.3.2, 2.3.4

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