



RADFORD COLLEGE

Building ICT Capability to adapt, evolve & innovate

@MrMattHeinrich

Director of Digital Learning and Innovation

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Compassion
Wisdom



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To utilise established and emerging technologies to
adapt and evolve to ensure we are giving our students
the very **best learning experiences** available.

We strive to prepare students to act ethically, engage globally
and think innovative in an increasingly interconnected and digital world.



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Learning and Teaching

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- 1-to-1 program supports a personalised learning experience for all students.
- Curriculum planning and design across the College reflects the use of ICT to enrich student learning.
- Redesign of instructional practices enhances learning opportunities and utilises advantages of 1-to-1 devices.

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"ICT capability involves students learning to make the most of the digital technologies available to them, adapting to new ways of doing things as technologies evolve and limiting the risks to themselves and others in a digital environment."



YEAR 7	INVESTIGATING WITH ICT	INTRODUCED	REINFORCED	TOOLS
B.I Define and plan information searches	<ul style="list-style-type: none"> Can use standard search techniques: keywords, phrase searching, eliminating words, broadening and narrowing terms Chooses appropriate sites from a search & can open sites in a new tab Builds questions for research Collates research using digital tools Chooses a graphic organiser tool to display research and show links between ideas/facts 	Geography T2 & History T4 Science / Library S2 Drama S1	HPE FC S1	S1-2 Google Advanced Search Misc. search engines Office 365 (OneNote...) Pearltrees / Pinterest Misc. internet browsers Popplet / Bubbl
	<ul style="list-style-type: none"> Builds tables to organise research in O365, and edits, add and removes rows, columns, header row 	HPE English S1 S2	Science T4	Office 365 (OneNote, Word, PowerPoint...)
B.II Locate, generate and access data and information	<ul style="list-style-type: none"> Chooses appropriate sites from a search & can open sites in a new tab Can use standard search techniques: keywords, phrase searching, eliminating words Understands the general structure of a web address Uses find and replace tools on documents and browsers 	History Geography Science Ecology/Earth with Library	S1-2 HPE Maths	S1-2 Google Advanced Search Misc. search engines Office 365 (OneNote...) Pearltrees / Pinterest Misc. internet browsers Popplet / Bubbl Library databases
	<ul style="list-style-type: none"> Accesses Library catalogue to search by subject, title and author, login and check their current loans, reserve a book on loan 	Orientation English / Library	S1 Pastoral Team S1	S2 Oliver Bolinda / OverDrive
B.III Select and evaluate data and information	<ul style="list-style-type: none"> Uses spell checker, thesaurus, online dictionaries & thesauri and understands limitations 	English	S1 All subjects	S1-2 Office 365 (OneNote, Word, PowerPoint...) Internet Browsers
	<ul style="list-style-type: none"> Determines whether information is current, accurate and reliable Interprets information from a website Can navigate to and use the Library's online research tools e.g. databases 	History Geography Science Library	S1-2 All subjects S2	S1-2 Library ROL

APPLYING SOCIAL AND ETHICAL PROTOCOLS AND PRACTICES WHEN USING ICT	INVESTIGATING WITH ICT	CREATING WITH ICT	COMMUNICATING WITH ICT	MANAGING AND OPERATING ICT
Recognise intellectual property	Define and plan information searches	Generate ideas, plans and processes	Collaborate, share and exchange	Select and use hardware and software
Apply digital information security practices	Locate, generate and access data and information	Generate solutions to challenges and learning area tasks	Understand computer mediated communications	Understand ICT systems
Apply personal security protocols	Select and evaluate data and information			Manage digital data
Identify the impacts of ICT in society				

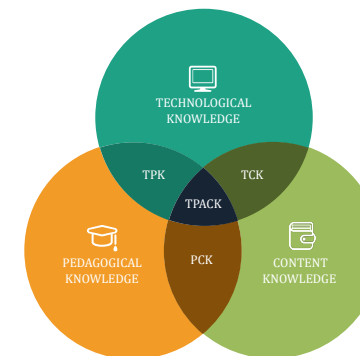
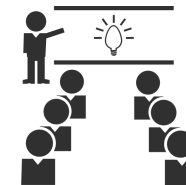
Professional Learning

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- Professional learning within the College cultivates and promotes reflection, experimentation and sharing of ICT knowledge.
- A level of ICT competency is established to support and empower staff in College learning and administration systems.
- Empower students to share expertise and celebrate their exemplary use of ICT.

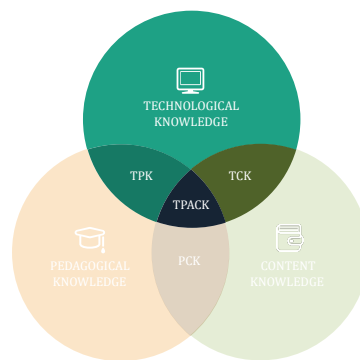
Professional Learning



Koehler, M.J. (2012)

Professional Learning

	Outcomes	Parents' Requirements	Meets Requirements	Additional support/Training needed
Applying social and ethical protocols and practices when using ICT Understand the permitted and prohibited uses of College devices as outlined in the ICT Staff Use Policy Promote and support students in applying digital citizenship practices in and beyond the classroom.				
Investigating with ICT Locate, generate and access data and information from SEDTA, Synergistic and Academic Tracking system. Select and evaluate appropriate digital resources for learning and teaching.				
Creating with ICT Generate and modify documents with proficiency using the Office 365 suite (Word, PowerPoint, Excel, OneNote...) Present College information, images and create in accordance to Brand Guidelines				
Managing and operating ICT Use OneDrive and Radford Online to securely store and share files. Apply basic technical knowledge and skills to troubleshoot difficulties with devices or classroom hardware.				
Communicating with ICT Communication via email is via College accounts and responses are professional, timely and appropriate as per Communication Policy. Use Radford Online and OneDrive to share ideas and information collaboratively.				



Koehler, M.J. (2012)

Professional Learning

What are children doing with their devices?

- 90% of 8-11 year olds had internet access in their rooms
- 50% of the age group use multiple internet enabled devices, up to 3 for 10-11 year olds
- 57% of 8 year olds and 57% of 11 year olds have internet access via handheld mobile devices
- 42% of 11 year olds use social networking sites

What are children doing with their devices?

Family Media Diary



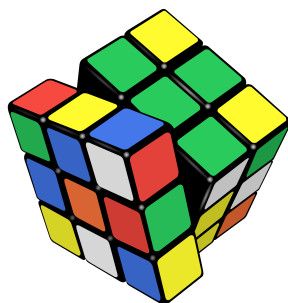
Advice for Managing Media Exposure



Further Information




Professional Learning



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Flexible Learning Environments

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- Learning environments are flexible to maximise learning opportunities that technologies provide.
- Digital environments and information services support learning in and beyond the classroom.

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IT Operations

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- ITS Helpdesk delivers high quality service based support to the community.
- College wide infrastructure supports the delivery of ICT strategic vision.
- Systems and data storage remains robust and secure.

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Innovation?

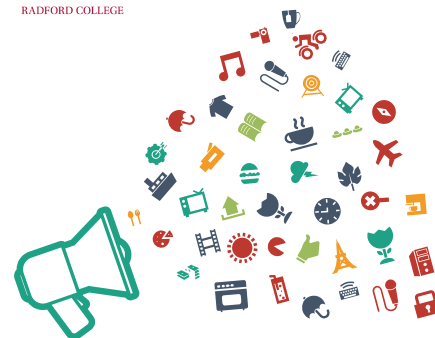
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- Learning and Teaching
- Professional Learning
- Flexible Learning Environments
- IT Operations

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Innovation?



“In times of change,
learners inherit the earth
while the learned find themselves
beautifully equipped to deal with
a world that no longer exists.”

Eric Hoffer

Matthew Heinrich

Director of Digital Learning and Innovation

@MrMattHeinrich

matthew.heinrich@radford.act.edu.au

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