

Building capacity with new syllabuses

Teaching resources

		Title	Description
English	K-6	Using digital and multimodal texts	Assists teachers in understanding the difference between teaching using traditional print based resources and digital resources (video, website, app, eBook) and how to incorporate quality digital and multimodal texts into their classroom activities.
		Exploring composing in the English syllabus	Assists teachers in understanding the place of text composition (spoken, written and visual) as a new outcome within English K-10 and to enable them to incorporate stage appropriate learning experiences in the areas of purpose, audience, grammar and vocabulary.
		Personal expression, reflection and imagination	Assists teachers in understanding the new English K-10 outcomes across strands C(thinking imaginatively and creatively), strand D(expressing themselves) and strand E(reflecting on learning), and to assist them in planning learning experiences involving rich talk about text with quality teacher feedback.
	7-10	Teaching Grammar Through the NSW English K-10 Syllabus	Builds secondary English teachers' skills, strategies and knowledge to confidently embed the teaching of grammar in the English classroom to enable students to understand, use and appreciate the English language.
		Putting the Basics into Context: Spelling, Punctuation and Comprehension	Engages teachers with a range of resources, templates and tools to build their capacity to contextualise the teaching of spelling, comprehension and punctuation strategies as specified in the NSW English K-10 Syllabus
		Teaching Literature: Realising the Opportunities	Builds secondary English teachers' capacity to understand and appreciate the distinctive features of multimodal texts and Asian texts
Mathematics	K-6	Teaching fractions: A primary concern	Provides teachers with an overview of how students develop the concept of fractions in the new syllabus and how to avoid common misconceptions.
		Going dotty with data	Provides teachers with learning materials to support changes in the focus and content for statistics K-6. Lesson ideas include posing and refining questions to investigate, numerical and categorical data and stacked dot plots.
		Using the numeracy continuum with the new syllabus	Outlines the most significant links between the syllabus and the numeracy continuum. It will also look at how to track students' progress against the continuum.
	7-10	Shaping Statistics in Stage 4	Provides teachers with learning materials to support changes in the focus and content for Stage 4 statistics including census and sampling, primary and secondary data sources and awareness of cultural sensitivities when collecting data.
		Shaping Statistics in Stage 5	Provides teachers with learning materials to support the introduction of bivariate data analysis for Stage 5 statistics. Single and bivariate data analysis lesson ideas will be investigated using GeoGebra with a working mathematically focus on reasoning.
		Reasoning in algebra	Provides teachers with learning materials to support the development of reasoning skills in Stage 4 and Stage 5 algebra. Lesson ideas include using concrete material to model algebraic expressions, sequencing algebraic solutions and developing the language of algebra.
Science	S&T K-6	Working Scientifically and Working Technologically	Teachers will build knowledge and understanding of the new processes Working Scientifically and Working Technologically introduced in Science and Technology K-6.
		Teaching Content through Process	Supports the teaching of content in the Natural Environment and the Made Environment by applying and integrating the processes of Working Scientifically and Working Technologically.
		Material World	Teachers will explore and plan for the new content area Material World. This content area provides the foundation for the Chemistry strand of Years 7-10 Science and materials knowledge for Years 7-8 Technology.
	7-10	Science inquiry	Teachers will identify benefits of using the 5Es model of science teaching. They will evaluate teaching strategies that support the 5Es model of science teaching.
		Working scientifically	Teachers will identify reasons for why a broad range of content in working scientifically needs to be explicitly taught. They will analyse and propose strategies that broaden the range of working scientifically outcomes and content addressed.
		It's about science	Teachers will explore the new ways that the nature, development, uses and influences of science have been embedded into specific knowledge and understanding content. They will deconstruct a creative approach to addressing this new content and evaluate other resources that target the new content.

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History	K-6	Historical Concepts	Teachers will engage with video of academics and primary teachers to explore the teaching of historical concepts. Teachers will undertake a series of reflection activities about changed practice.
		Historical skills	Teachers will explore the historical skills contained in the syllabus and how these historical skills lead to the development of historical concepts. Teachers will also examine the use of historical source and evidence in the primary classroom. Teachers will undertake a set of reflection questions about changed practice.
		Historical inquiry process	Teachers will examine best practice by academics and expert primary teachers in how to scaffold and conduct an historical inquiry, and what this might look like in the primary classroom. Teachers will undertake a set of reflection questions about changed practice.
	7-10	World History approach	Teacher will explore the new World History approach in the syllabus by engaging with academics and expert classroom teachers. Teachers will formally reflect on changing their classroom practice.
		Overviews	Teachers will learn how to integrate Overview content into depth studies, and use the overview to create individual units. Teachers will use multimedia to engage with academics and teachers about the use of overviews in teaching history. Teachers will formally reflect on changing their classroom practice.
		Depth Studies	This resource explores new content in the stage 4 and 5 depth studies, creating pathways and locating resources. Teachers will use multimedia to engage with an expert classroom teacher explaining the new elective options in the Depth Studies. It also explores the options for creating pathways and school based units from the overview. Teachers will formally reflect on changing their classroom practice.