

Topic Three: Planning, designing and building a railway

Lessons linking the present and the future of the North West region

Key Learning Area	Title	Main focus question
 English	My future train adventures on Sydney Metro Northwest	What will I see, do and find on my future train adventures on Sydney Metro Northwest?
 Science and Technology	Design your own train interior layout	How will new Sydney Metro Northwest single deck trains improve train travel for passengers?
 History		
 Creative Arts		
 Mathematics	Mapping Sydney Metro Northwest features across the North West region of Sydney landscape	How will the infrastructure of Sydney Metro Northwest fit into my community?
 Geography		
 Geography	Role-play: 'Planning engineers' pose and solve 'big number' problems	How will the innovative approach to train travel used on Sydney Metro Northwest improve public transport conditions for commuters?
 Mathematics		
 Science and Technology	Creating virtual 3D North West region stations	What traditional and modern features do the new Sydney Metro Northwest railway stations need?
 Geography		
 History		
 English	Reading railway images	How do railway signs assist train passengers?
 Science and Technology	The benefits of public transport to the environment	How will Sydney Metro Northwest work towards an environmentally sustainable future for my community?
 Geography		
 Science and Technology		
 English		

	Key syllabus reference or outcome	Most appropriate level	Suggested number of lessons	Page
	English K-10: (EN1-1A); (EN1-2A); (EN1-10C); (EN1-11D)	Stage 1	1-2	198
	Science and Technology K-6: (ST1-2DP-T); (ACTDEP007); (ACTDEP008)	Stage 1	1-2	204
	History K-10: (HT1-1); (HT1-3); (HT1-4)			
	Creative Arts K-6: (VAS1.1)			
	Mathematics K-10: (MA2-17MG); (MA3-17MG); (MA2-1WM); (MA3-1WM); (MA2-13MG); (MA3-13MG); (MA2-2WM); (MA3-2WM); (MA2-6NA); (MA-6NA)	Stage 2-3	2-3	210
	Geography K-10: (GE2-4); (GE3-4)			
	Geography K-10: (GE3-1); (GE3-2); (GE3-4)	Stage 2-3	1-2	216
	Mathematics K-10: (MA2-17MG); (MA3-17MG); (MA2-1WM); (MA3-1WM); (MA2-2WM); (MA3-2WM); (MA2-13MG); (MA3-13MG); (MA2-2WM); (MA3-2WM); (MA2-6NA); (MA-6NA); (MA3-6NA)			
	Science and Technology K-6: (ST2-2DP-T); (ST2-3DP-T); (ST3-3DP-T); (ST3-2DP-T)	Stage 2-3	2-3	222
	Geography K-10: (GE3-1); (GE3-2); (GE3-4)			
	History K-10: (HT2-2); (HT2-5); (HT3-2); (HT3-5)			
	English K-10: (EN2-10C); (EN3-7C)	Stage 2-3	1-2	234
	Science and Technology K-6: (ST2-2DP-T); (ST1-3DP-T); (ACTDIP004); (ACTDIP005)			
	Geography K-10: (GE3-1); (GE3-2); (GE3-3); (GE3-4)	Stage 2-3	2-4	242
	Science and Technology K-6: (ACSIS057); (ACSIS068); (ACSIS215); (ACSIS216); (ACSIS060); (ACSIS071)			
	English K-10: (EN2-6B); (EN3-1A)			