



# Year 8 TAS (Technology Mandatory)

	Learning Unit 1	Learning Unit 2	Learning Unit 3	Learning Unit 4
<b>Name of unit:</b>	<b>Bridge Building</b>	<b>Food Technology</b>	<b>Website Design</b>	<b>Toy</b>
<b>Theory overview:</b>	Students work through the Design Process (PRIME) to design a bridge using research of different designs in groups and use Bridge Designer to test and improve original sketches of bridges.	Students working through Food Technology booklet to create a healthy food option for the School Canteen to sell.	Students work through the Design Process (PRIME) to design a website about cyberbullying and its effects targeting teenage boys and girls.	Students work through the Design Process (PRIME) to design a toy using isometric drawing.
<b>Practical overview:</b>	Students use material such as Paddle Pop sticks, string, glue guns to construct designed bridges and test with weights aiming for the maximum weight while using the least amount of material.	To design the packaging for the food that they have created using Photoshop and print it out and develop it.	To design and create the website using various designs using software such as Dreamweaver, Weebly, Google Sites, Publisher.	Students design and construct a toy aimed for toddlers using hand tools and machinery such as the disc sander and the drill press. Afterwards students sand and lacquer the finished product.
<b>Estimated timeframe:</b>	10 Weeks	10 Weeks	10 Weeks	10 Weeks
<b>Formal assessment(s):</b>	Design and construct a material- based bridge and test it using weights	Design and Create food packaging and present it to the class	Design and Develop an anti-cyberbullying website	Show development through the Design Process and the end construction of the Timber Toy
<b>Estimated due date of assessment:</b>	Week 5 of each Term	Week 5 of each Term	Week 5 of each Term	Week 5 of each Term

The NSW syllabuses can be viewed at: <http://syllabus.nesa.nsw.edu.au/>