

ACTIVITY EXAMPLE

KEY WORDS

Designing | engineering | welding | filing | cutting | hard metals | tool handling

ALSO USEFUL FOR

Wood Technology | Food Technology | Textile/Fabric Technology *with subject appropriate employers*

PROGRAMME OUTLINE

3 POINTS OF CONTACT

- Engineers from a range of employers come into school metal technology workshop throughout the year – 1 employer per week on a rotating basis.

EXAMPLE

Each business is rostered up to 5 weeks over the course of the year to classroom activities. Business representatives (usually apprentices) come in at some stage during their allocated weeks and speak to students about their jobs, industry and careers, demonstrating skills and assisting the teachers to help develop students' skills and knowledge as they work through a design and hard metals projects.

Student activity 1: Clock design project. Design Engineers come into the school workshop to show students how they use the same design principals and processes for their designs. Provide students with feedback on their clock designs.

Student activity 2: Welding, filing, cutting and constructing a scooter from pre-formed materials. Apprentices demonstrate skills and provide students with tips and feedback on their projects.



DISCLAIMER: SSEP Activity examples have been created by the school and employer accredited to fit the curriculum and student body of a particular cohort. The purpose of the SSEP activity example is not to be prescriptive, but to provide and share ideas between SSEP schools and employer partners. Any SSEP activities should be designed or adapted according to the individual requirements and capabilities of the teacher, employer and student participants. Smart Waikato Trust has made every effort to ensure information in this document is correct at time of publishing. Neither Smart Waikato Trust nor the creators of this example assume liability and hereby disclaim any liability to any party for any disruption, loss or injury caused by errors or omissions. © Smart Waikato Trust

For more on SSEP see:
www.smartnz.nz

ACTIVITY EXAMPLE

ACTIVITY EXAMPLE

- Each week a different business has been allocated to classroom activities (please see below).
- During your allocated weeks could someone from your business (e.g. apprentice) please attend one class of Don's and one of Charles'. Feel free to just turn up to whichever classes suit your schedule (e.g. Staffords might go in on Tuesday 6th and stay for both classes as they're back-to-back, or they might go into Don's class on Monday 5th and Charles' on Thursday 8th etc.). The teachers are happy for you to turn up whenever you are available. If you want to come in even when it's not your week you are also most welcome to. This way students get to see someone from industry every week without it being too heavy a burden on any one company.
- When it comes to nearing project hand-in time, anyone who wants to pop in to lend a hand and help get students 'over the line' in time is most welcome.

2018 HBHS Metal Tech SSEP

Note to Businesses:

During your allocated weeks please have a staff member (or two) come into the school for one of Don's classes and one of Charles' classes to work with the students.

During the **clock project** please send a **Design Engineer** and **apprentices/tradespeople** during the **scooter project**. We will send an email reminder two weeks before your next scheduled SSEP week.

CLOCK DESIGN PROJECT – Design Engineers please

Workshops: Don = T5, Charles = T6

Business	Month	Monday	Tuesday	Wednesday	Thursday	Friday
Foster	Feb/Mar	26	27	28	1	2
		9-10am (Don)	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	No Classes	1.15-2.15pm (Don) 2.15-3.15pm (Don & Charles)
Stafford	Mar	5	6	7	8	9
		9-10am (Don)	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	1.15-2.15pm (Don) 2.15-3.15pm (Don & Charles)
Foster		12	13	14	15	16
		9-10am (Don)	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	No Classes
Stafford		19	20	21	22	23
		9-10am (Don)	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	1.15-2.15pm (Don) 2.15-3.15pm (Don & Charles)

ACTIVITY EXAMPLE

School holidays Apr 14-29th						
SCOOTER PROJECT COMMENCES – Apprentices/Tradespeople please			Workshops: Don = T5, Charles = T6			
Business	Month	Monday	Tuesday	Wednesday	Thursday	Friday
	Apr/May	30	1	2	3	4
		No classes	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	1.15-2.15pm (Don) 2.15-3.15pm (Don & Charles)
	May	7	8	9	10	11
		9-10am (Don)	No classes	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	1.15-2.15pm (Don) 2.15-3.15pm (Don & Charles)
Mainline		14	15	16	17	18
		9-10am (Don)	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	1.15-2.15pm (Don) 2.15-3.15pm (Don & Charles)
JP Marshall		21	22	23	24	25
		9-10am (Don)	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	1.15-2.15pm (Don) 2.15-3.15pm (Don & Charles)
	May/Jun	28	29	30	31	1
No classes this week – Junior Exams						
Business	Month	Monday	Tuesday	Wednesday	Thursday	Friday
Complete Hydraulics	June	4	5	6	7	8
		No classes	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	1.15-2.15pm (Don) 2.15-3.15pm (Don & Charles)
Foster		11	12	13	14	(Field Days) 15
		9-10am (Don)	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	No classes
Stafford		18	19	20	21	22
		9-10am (Don)	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	1.15-2.15pm (Don) 2.15-3.15pm (Don & Charles)
JP Marshall		25	26	27	28	29
		9-10am (Don)	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	1.15-2.15pm (Don) 2.15-3.15pm (Don & Charles)
Foster	July	2	3	4	5	6
		9-10am (Don)	9-10am (Don) 10-11am (Don & Charles)	10-11am (Don) 11.30-12.30pm (Don & Charles)	11-11.50am (Don) 11.50-12.40pm (Don & Charles)	1.15-2.15pm (Don) 2.15-3.15pm (Don & Charles)
School holidays July 9-20th						

Note: Hamilton Boys' High School students have the opportunity to visit these workplaces through the Waikato Engineering Association's (WECA) annual 'Engineering in Action' week. Workplace visits can be otherwise organised at any time of year.