

Engineering Design Trust (EDT) and SQA Personal Development Award SCQF level 6

SQA and the EDT have been working together to demonstrate how the Engineering Education Scheme's EDT Programme **could generate evidence that meets the Assessment Standards** of SQA Awards and Units.

EDT delivers over 40,000 STEM (science, technology, engineering and mathematics) experiences each year, for young people aged 9 -21 across the UK. The Engineering Education Scheme is a 6 month EDT Programme which links teams of four S5/S6 students and their teacher with local companies where they work on real, scientific, engineering and technology projects.

The scheme provides students with an in-depth experience in science, engineering and technology that will enable them to make an informed decision about their future studies and career. This will be achieved by giving the students, in a 6 month programme;

This document illustrates how students completing the EDT programme could generate evidence that met the assessment standards for the SQA Personal Development Award SCQF level 6*.

Once the evidence has been gathered centres will have to check learners' work against the Assessment Standards within the SQA unit(s). **All evidence should be subject to rigorous assessment procedures and internal verification.**

**Please note that that Personal Development Award is available at other levels*



Engineering Development Trust (EDT) and Wallace High Case Study

This documents is an illustration of how students at Wallace High School completed the EDT Programme and achieved their SQA Personal Development Award SCQF level 6*.

The students completed the SQA Assessment Support Packs (ASPs) and the EDT logbook as well as the project itself. These were submitted for assessment and were subject to internal verification and standardisation procedures.

Although students have to complete the SQA ASPs and the EDT logbook other supporting evidence can also be submitted e.g. photos, BLOGs, videos, witness testimony, illustrations etc. The type of supporting evidence is at the centre/student discretion.

This documents should also be read in conjunction with the Wallace High School EDT Report.

Personal Development: Practical Abilities SCQF level 6		
Outcome	Assessment Standard	Evidence Generated
1. Prepare to develop practical abilities within a project(s).	1.1 identifying strengths and limitations within own practical abilities in relation to a specific project(s)	SQA Assessment Support Pack EDT Student Log Book
	1.2 identifying targets for the development of these practical abilities	P.8 – Project Brief P.9 - Group Roles P.10 – Gantt Chart
2. Develop practical abilities.	2.1 identifying complex activities to meet the target	P.11 – Initial Steps P.12 & 13 – Workshops – including photographs
	2.2 carrying out the activities	P.14 – Company visit – including photographs
3. Review own practical abilities used in project(s).	3.1 explaining progress made towards achieving targets	P. 15 & 16 – Developed Ideas – including sketches
	3.2 identifying areas for further development of own practical abilities	P. 17 Challenges Faced P.18 – 20 – Our Solution – including sketches, charts, formulae
	3.3 explaining areas for further development of own abilities	Appendices 1 – 5 – charted testing of solutions

Personal Development: Self and Work SCQF level 6		
Outcome	Assessment Standard	Evidence Generated
1. Prepare to develop task management skills within a vocational project.	1.1 evaluating strengths and limitations in their own task management skills, using an appropriate technique 1.2 identifying personal targets for the development of these skills 1.3 producing a plan for the development of these skills 1.4 identifying their own complex tasks, which will enable progress towards achieving personal targets	SQA Assessment Support Pack EDT Student Log Book P.8 – Project Brief P.9 - Group Roles P.10 – Gantt Chart P.11 – Initial Steps P.12 & 13 – Workshops – including photographs P.14 – Company visit – including photographs P. 15 & 16 – Developed Ideas – including sketches P. 17 Challenges Faced P.18 – 20 – Our Solution – including sketches, charts, formulae
2. Carry out the project.	2.1 monitoring the progress of the plan and explaining appropriate action taken 2.2 completing their own tasks	Appendices 1 – 5 – charted testing of solutions
3. Review their own task management skills.	3.1 analysing progress made towards achieving personal targets 3.2 reaching and justifying conclusions about the effectiveness of the plan 3.3 reaching and explaining conclusions about areas for further development of their own task management skills	
Personal Development: Self and Community SCQF level 6		
Outcome	Assessment Standard	Evidence Generated

	3.3 reaching conclusions about areas for further development of interpersonal skills	
Personal Development: Self-Awareness SCQF level 6		
Outcome	Assessment Standard	Evidence Generated
<p>1. Prepare for a project to develop self-awareness</p> <p>2. Carry out the Project.</p> <p>3. Review knowledge of self.</p>	<p>1.1 evaluating their own qualities and feelings, using an appropriate technique</p> <p>1.1 gathering opinions from another person about own qualities</p> <p>1.2 identifying, and explaining the choice of, an aim for the project</p> <p>1.3 identifying, and explaining the choice of, their own complex tasks to enable progress towards the aim</p> <p>2.1 monitoring progress and explaining any appropriate action taken</p> <p>2.2 completing their own identified tasks</p> <p>3.1 analysing progress made towards achieving the aim of the project</p> <p>3.2 reaching conclusions about what has been learned about their own qualities and feelings based on this analysis</p>	<p>SQA Assessment Support Pack</p> <p>EDT Student Log Book</p> <p>P.8 – Project Brief</p> <p>P.9 - Group Roles</p> <p>P.11 – Initial Steps</p> <p>P.12 & 13 – Workshops – including photographs</p> <p>P.14 – Company visit – including photographs</p> <p>P. 15 & 16 – Developed Ideas – including sketches</p> <p>P. 17 Challenges Faced</p> <p>P.18 – 20 – Our Solution – including sketches, charts, formulae</p> <p>Appendices 1 – 5 – charted testing of solutions</p>

	3.3 reaching conclusions about personal goals for further development of self-awareness	
--	---	--