

Engineering Outreach Self-efficacy Scale (EOSS)

Please rate your confidence in performing the following activities by circling the most appropriate response from '1 = not at all confident' to '10 = totally confident'.

1. I can discuss how engineering is connected to daily life and other subject areas.	Not at all confident	1	2	3	4	5	6	7	8	9	10	Totally confident
2. I can plan out an engineering outreach activity which is engaging for young people.	Not at all confident	1	2	3	4	5	6	7	8	9	10	Totally confident
3. I can spend the time necessary to plan engineering outreach activities.	Not at all confident	1	2	3	4	5	6	7	8	9	10	Totally confident
4. I can communicate engineering concepts effectively to young people during outreach activities.	Not at all confident	1	2	3	4	5	6	7	8	9	10	Totally confident
5. I can demonstrate engineering activities effectively in outreach sessions.	Not at all confident	1	2	3	4	5	6	7	8	9	10	Totally confident
6. I can encourage young people to creatively explore ideas through the engineering design process.	Not at all confident	1	2	3	4	5	6	7	8	9	10	Totally confident
7. I can judge young people's comprehension of the engineering materials that I have presented.	Not at all confident	1	2	3	4	5	6	7	8	9	10	Totally confident
8. I can inspire young people to enjoy engineering or wider scientific and mathematical concepts.	Not at all confident	1	2	3	4	5	6	7	8	9	10	Totally confident
9. I can inspire teachers or parents to encourage young people's interest in engineering or wider scientific and mathematical concepts.	Not at all confident	1	2	3	4	5	6	7	8	9	10	Totally confident
10. I am confident that my efforts in engineering outreach are recognised and appreciated by peers in my professional environment.	Not at all confident	1	2	3	4	5	6	7	8	9	10	Totally confident