



Thinking like an Engineer



This resource was developed for schools participating in the 'Thinking like an Engineer' project during 2014-2016. If you adapt and improve it, please let the CRL research team know by emailing janet.hanson@winchester.ac.uk





EHoM QUESTIONNAIRE FOR LEARNERS

Teachers can use this survey before, during and after EHoM intervention to gather student views on their EHoM skills level, but don't forget that students may judge themselves more harshly after they have become more competent, so in your second/third iteration of the survey, add in a phrase such as that suggested in red below, amended to suit your own context.

Do you think like an Engineer?

This is a quiz to find out how you see yourself when you are trying to do things that are new or difficult. There are 12 statements. Look at each one and think how true this is of you when you are learning (now, compared to how you felt before we started the EHoM activity). This includes things you are learning for your own interest out of school, as well as in lessons. Of course we all vary, but try to choose the answer that is closest to you in general.

If you think a statement is rarely or never true of you, circle 1. If you think it is sometimes true, circle 2. If you are quite often like that, circle 3. if the statement is true very often or always, circle 4.

1 = rarely (or never)	2 = sometimes	3 = quite often	4 = very often (or always)
			

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| 1. I like making links between things in my head | 1 2 3 4 |
| 2. I enjoy putting things together to make something new | 1 2 3 4 |
| 3. I'll check and check again until I am happy | 1 2 3 4 |
| 4. I love asking questions and having my own point of view | 1 2 3 4 |
| 5. I like thinking out loud when I am being imaginative | 1 2 3 4 |
| 6. I like making models to show my ideas | 1 2 3 4 |
| 7. I like making what I've done better | 1 2 3 4 |
| 8. I explain how well I am doing to my teacher or friends | 1 2 3 4 |
| 9. My brain comes up with lots of good and new ideas | 1 2 3 4 |
| 10. I like working in a group | 1 2 3 4 |
| 11. I stick up for what I think when talking with other people | 1 2 3 4 |
| 12. I work hard and practise to get better, even when it's tricky | 1 2 3 4 |