

Thinking Like an Engineer Summary insights

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Thinking Like an Engineer – Learning from school prototypes

- Limited time-frame in first year
- Variety of learning activities incorporating EHoM
- Examples of EHoM supporting the National Curriculum, in subjects and through integrated schemes of work; more overtly in engineering courses
- EHoM generates engagement in learning, and in engineering?

Learning about CPD for Changing Mindsets

- Action research supports classroom innovation
- Evidence of behaviour change in learners high teacher expectation = higher learner progress
- Collaborative activity develops teacher confidence and resourcefulness
- The approach is transferable

John Hattie asks-

'How do we learn, and what keeps us motivated to do so? What is the body of knowledge and skills that learners need as we move into the second half of the twenty-first century?

These questions are too important for the best ideas to stay only in the lecture theatre, on the bookshelf or alone in one classroom...they need to be found and supported, shared and debated, adopted and refined.'

John Hattie (2015) *What works best in education: the politics of collaborative expertise*. London: Pearson.