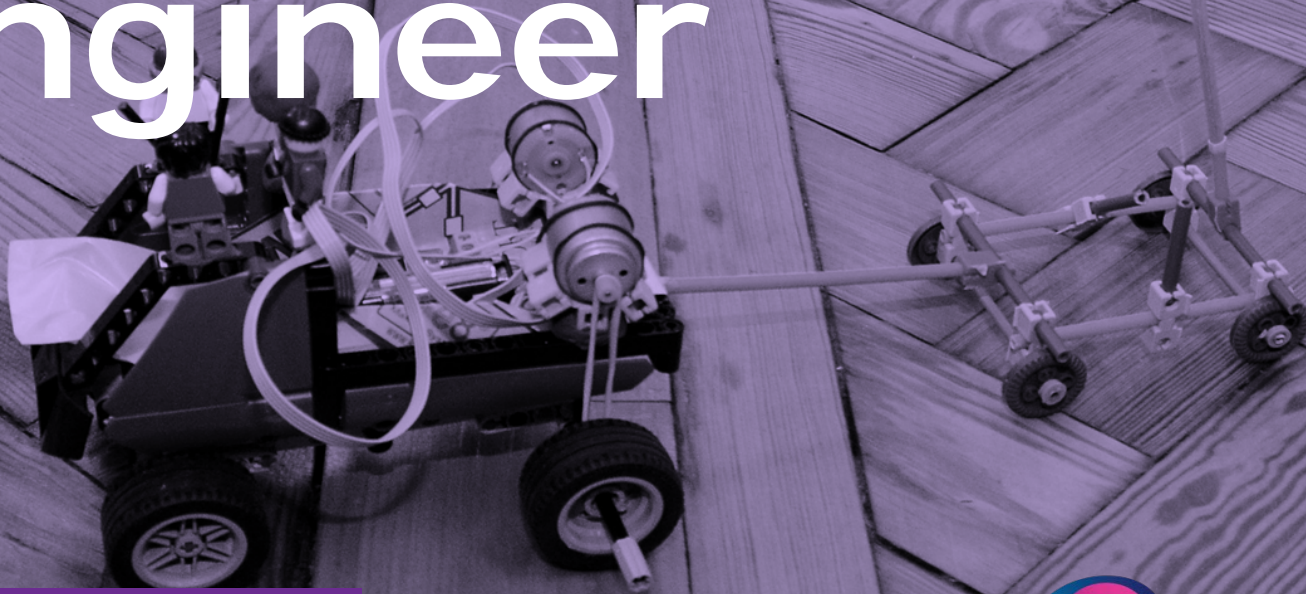


Progressing to be an Engineer



MANCHESTER
1824

The University of Manchester



ROYAL
ACADEMY OF
ENGINEERING

GMEC 2018

- **Challenge:** Longest marble run (in time) created in 5 mins.
- **Tools:** Per team, 2 Pairs of scissors, 1 roll tape, X sheets of card, 1 marble to test.
- Off you go!

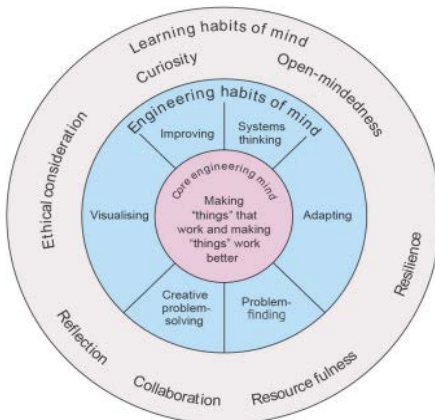
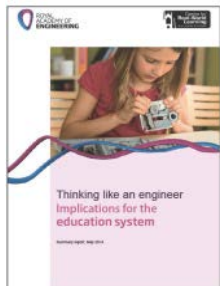


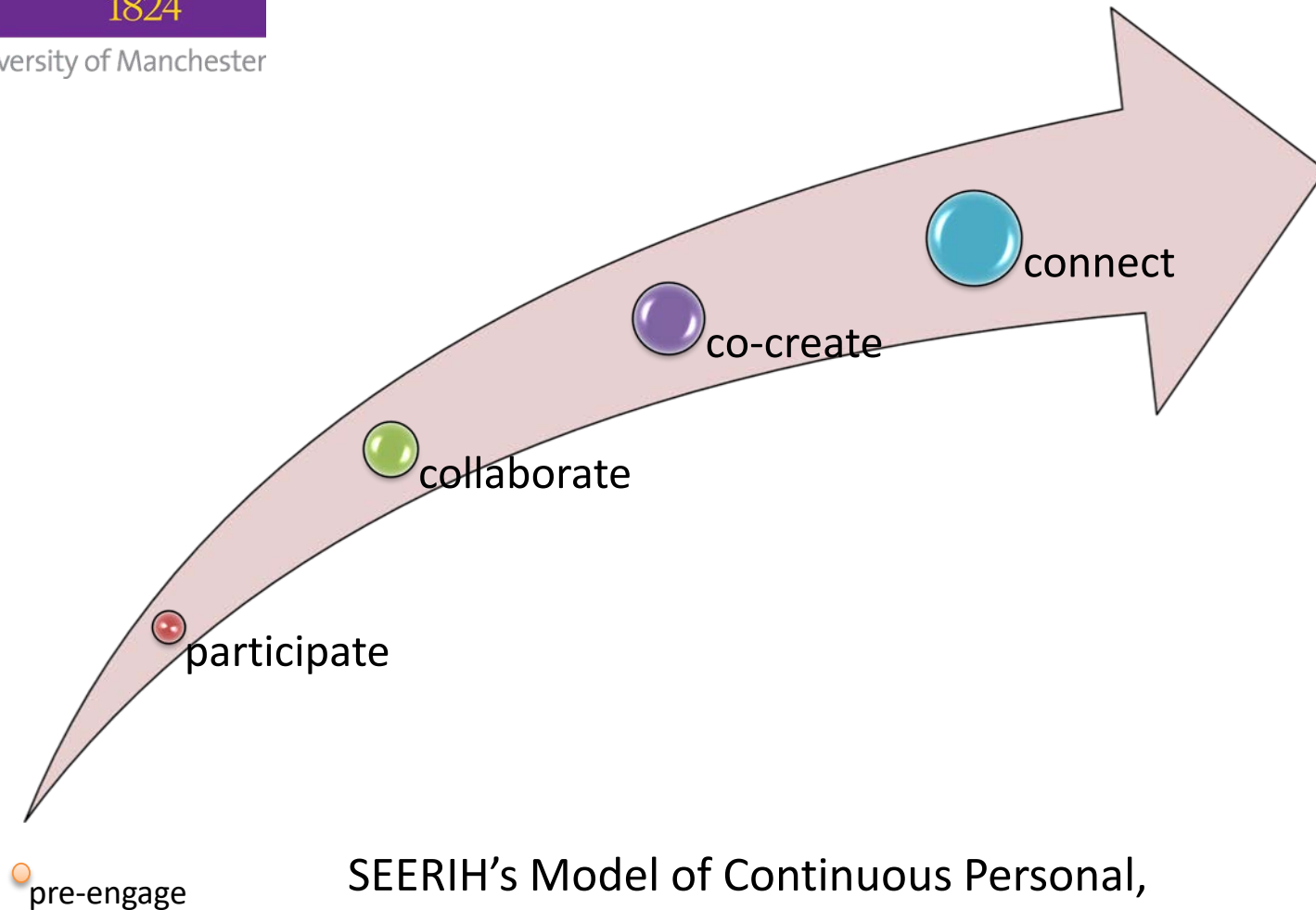
Context

Teaching

Learning

Engineering habits of mind





SEERIH's Model of Continuous Personal,
Professional and Partnership
Development

tinkering FOR learning

Exploring through fiddling, toying, messing, pottering, dabbling and fooling about with a diverse range in things that happen to be available in a creative and productive pursuit to make, mend and adapt.

tinkering FOR learning

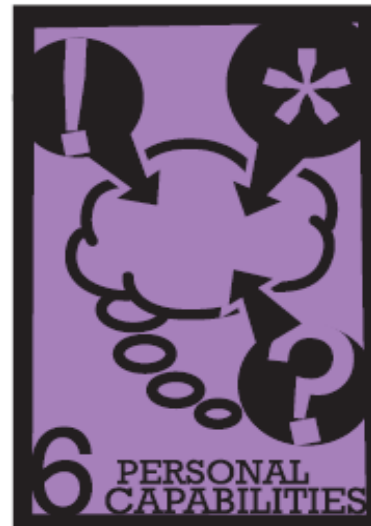
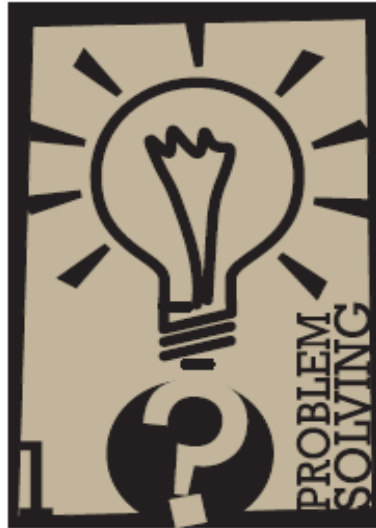
[start tinkering >](#)

tinkering FOR learning

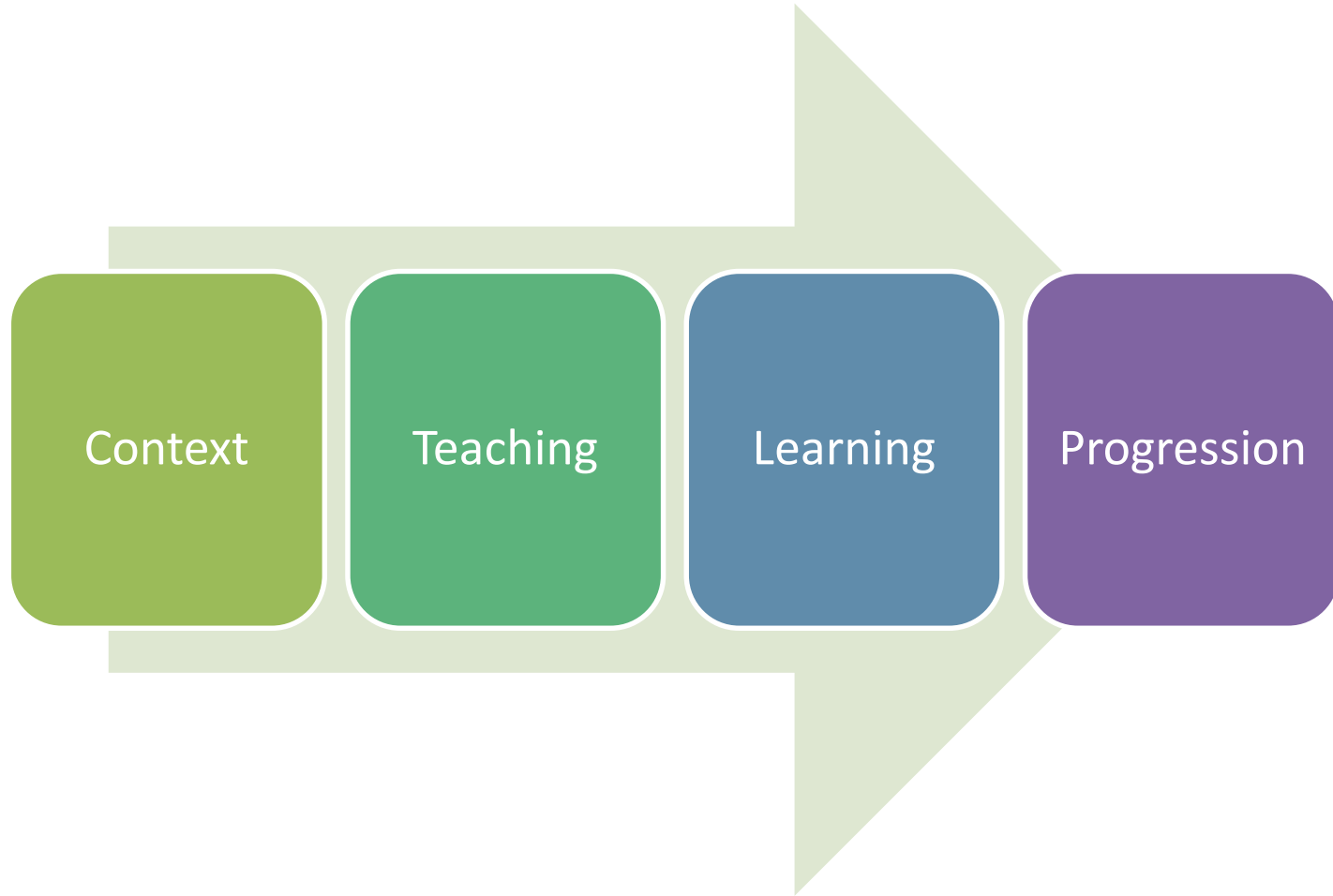


7

Principles
of Primary
Engineering
Education







What's the balance between skills,
knowledge and attitudes that
should be aimed for within
engineering education in the
primary years?

33:33:33

How can engineering-learning be made visible to others?

Recording for purpose,
enhancing without harming



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