

## Tinkering for schools – Collaborating to create tinkering curriculum & adoption

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Tinkering is a form of informal learning where learners engage with wide-ranging tools and materials which is used to explore STEM phenomena through the process of creating something new. In this work, we share how tinkering is implemented in Singapore's Ministry of Education academic syllabus. Two schools took part in this collaboration with the National Institute of Education and New Life Singapore. The tinkering workshop were set to design and co-create artefacts such as Marble machines, Paper circuits, Choux pastry and Jam-making where the science topic of Properties of matter, Exploring Forces and Water, Solutions and Suspensions were delivered aligned with the MOE syllabus.