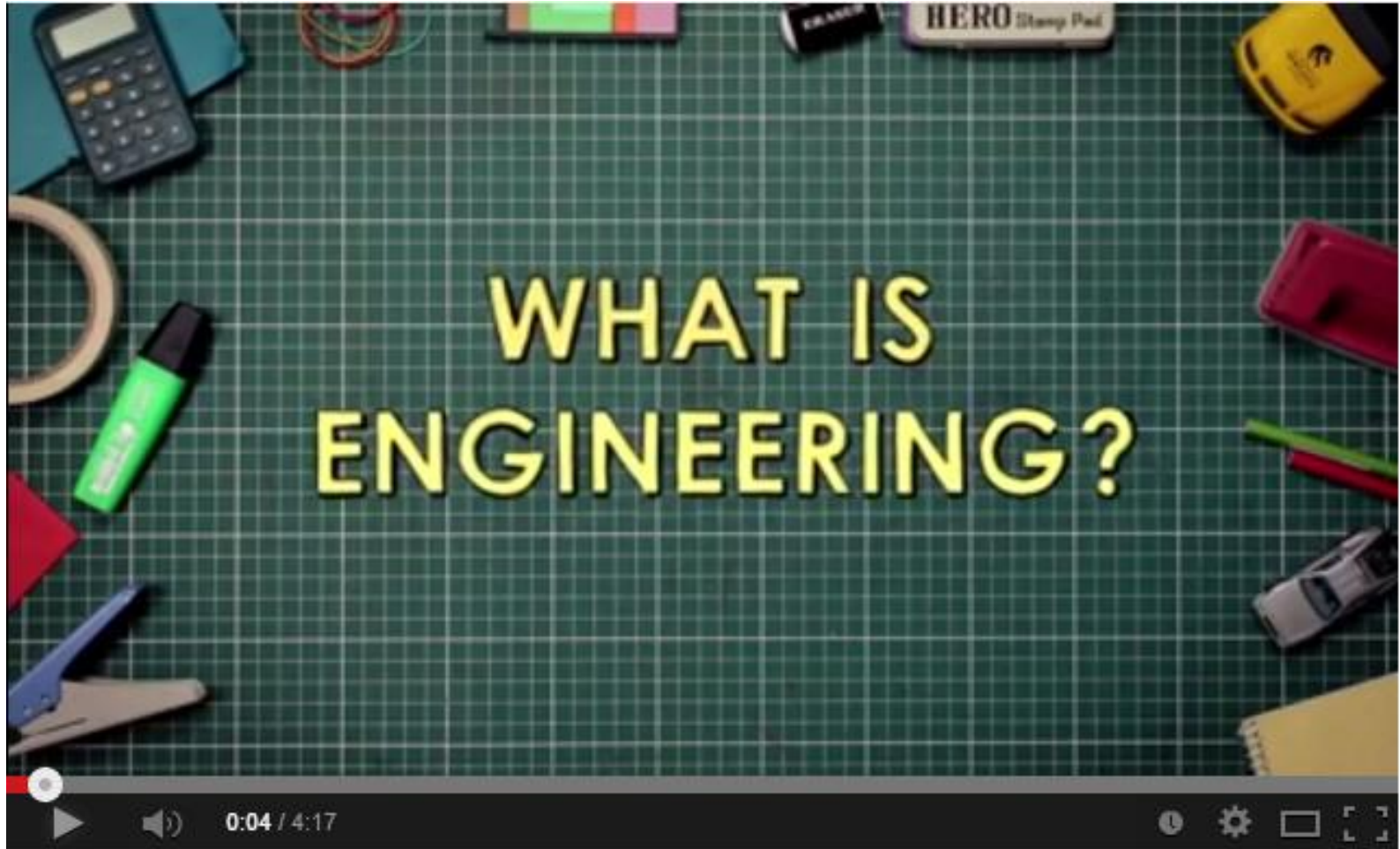


A large background image of a smiling student in a white shirt talking on a mobile phone. The student is looking to the side with a happy expression.

Cat 11 Engineering Science

3 Feb 2017

What is Engineering?



What is Engineering?

Engineering combines the fields of science and math to **solve real world problems** that improve the world around us.

What really distinguishes an engineer is his ability to implement ideas in a cost effective and practical approach. This ability to take a thought, or abstract idea, and translate it into reality is what separates an engineer from other fields of science and mathematics.

<http://whatisengineering.com/>

Cat 12 Engineering Science

- Problem solving project
- Real world problem
- Knowledge of Math and Science

Requirements

- Oral Presentation of project's details and progress during proposal, mid-term and finals evaluation stages
- Video presentation on learning points for the Engineering Science project.
- Group Web report
- Individual performance

Some Cat 11 Projects for 2016

- NUS – 1 project
- JTC – 3 projects
- AGC – 1 project
- Science Centre – 2 projects.
- NTU – 2 projects
- School-based – 5 projects

Some Cat 11 Projects for 2017

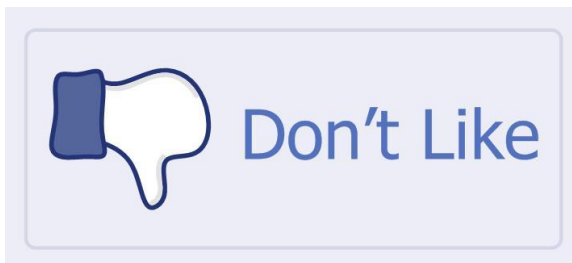
- NUS – 2 projects
- JTC – 3 projects
- AGC – 1 project
- Science Centre – 1 project.
- HDB – 1 project
- Solariz – 1 project
- School-based – ??



- Involve in authentic research in industry
- Guidance from expert mentors from industry
- Learning beyond the boundaries of the school
- Future project/ attachment/ internship/ scholarship from industry



- May have to sign non disclosure agreement with company → may not be able to participate in external project competitions
- May need to travel out of school to meet external expert mentor
- May be demanding, hence must be willing to work



Do you have the courage
to take up the challenge?

