



"AS ENGINEERS, WE [ARE] IN A POSITION TO CHANGE THE WORLD – NOT JUST STUDY IT"
HENRY PETROSKI

DESIGN LIKE AN ENGINEER!

**PRIMARY GRADE 3-6 &
SECONDARY YEAR 7-10**



RATIONALE

STEM education creates critical thinkers, increases science & engineering literacy, and enables the next generation of innovators, leading to new products and processes that sustain and develop our society and economy. Innovation and STEM literacy depends on a solid knowledge base in the STEM areas combined with the capabilities of effective communication, critical and creative thinking.

THE AKORN APPROACH

Akorn facilitators inspire students to realise the impact of their ideas.

Akorn support teachers with the aim to increase their confidence and competency in delivering STEM learning.

PROGRAM STRUCTURE:

PRELIMINARY MEETING

Virtual planning meeting with Akorn and your school. Opportunity to choose from a selection of challenges or develop one that suits the focus of your school.

'DESIGN LIKE AN ENGINEER' INCURSION

Full day incursion at school for up to approx. 50 students that covers:

- Design Thinking
- Empathy Building
- Working in Teams
- Two hands on challenges:
 - Design and build an emergency structure.
 - Choice of main challenge eg. Design and create an assistive device/product, create a sustainable solution, solve this... challenge.

ITERATIVE IMPROVEMENT SESSION

School or virtual visit for 1-3 hours.

As part of the program, Akorn provide a 360 piece Makedo cardboard screw kit, cardboard sheets and recycled materials.



CONTACT AKORN



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