



NPCAT YEAR 11 TRANSITION PROGRAMME: ENGINEERING

EMBED

YOUR *LEARNING*










EXTEND

YOUR *KNOWLEDGE*

FOLLOW

YOUR *INTERESTS*

These resources have been designed to embed your understanding of Engineering whilst also preparing you for your future studies. You can complete the activities in any order.

Week 1	<u>What is Engineering?</u>  LESSON	<u>Skill Building</u> Learn techniques helpful in building prototypes.  LESSON	<u>What do Engineers do?</u>  WATCH
Week 2	<u>What is Engineering - Types of Engineering</u>  READ	<u>Mechanisms and Structures</u>  WATCH	<u>Design Engineering</u>  LESSON
Week 3	<u>What's it like to be an Engineer?</u>  WATCH	<u>Own your ideas</u> Understanding intellectual property  LESSON	<u>How does a loudspeaker work?</u>  WATCH