



Get Ready to Teach Science!

Linking Science with Engineering



How Science Links with Engineering

Early Science with *Nico & Nor*® also explores connections between science and engineering. Engineering is a process through which people design solutions to meaningful problems, needs, or wants of an individual, group, or community. Engineering challenges can be meaningful introductions to science activities and promote engagement. Engineering activities can also be great opportunities for children to apply the science understanding they have developed over time. The following page shows examples of how these connections come up in the activities.



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Engineering Connection: Explore

Investigating Plant Growth: Children explore a **problem**: the tomatoes are heavy and the plant's stem could break. They **identify materials** to use in building a support structure to help the tomato plant stand upright. See an example activity:

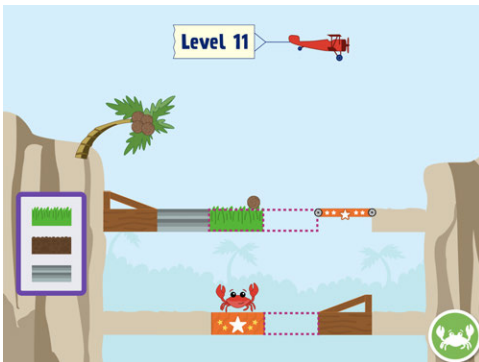
[BUILD A FLOPPY TOMATO PLANT SUPPORT STRUCTURE](#)



Engineering Connection: Create

Investigating Light and Shadow: Children **brainstorm ideas** to **design** and **construct** a shadow theater space to explore shadows/perform shadow plays. See an example activity:

[DESIGN A SHADOW THEATER SPACE](#)



Engineering Connection: Improve

Investigating Force and Motion: Children design pathways with different surface textures to help a coconut reach the desired destination. They **test and revise** their **designs** to achieve success! See an example activity:

[COCONUT CANYON](#)



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Engineering Practices Addressed in Early Science with *Nico & Nor*

