

Fantail Creator Series

LEARN about real-world science and engineering challenges

CREATE your very own, fully functional engineering masterpiece

DO incredible experiments to test the theory and functionality of your creation

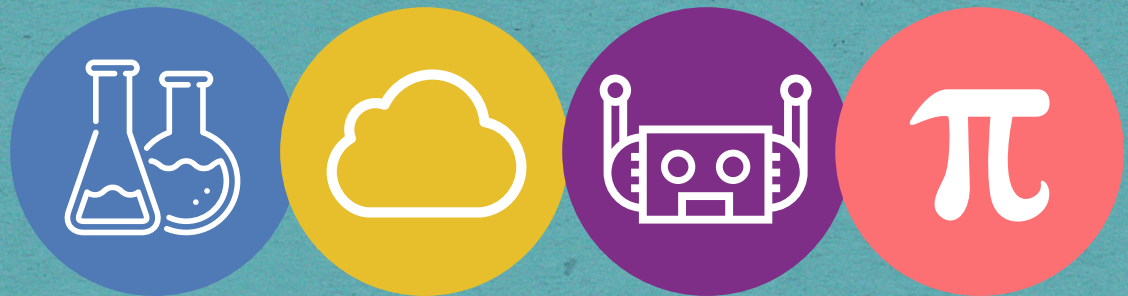
SERIOUS FUN – STEM projects in English!



What is STEM?

An approach to education which brings
Science, **T**echnology, **E**ngineering and **M**ath
into the classroom in fun and innovative ways.

Kids become creative problem solvers and improve their English
with engaging, fun, hands-on projects.





How does the Fantail Creator Series work?

The Creator Series consists of four modules. Each module is 4 x 60-minute lessons taught by a qualified native speaker. In each module, kids will learn about different STEM topics and create their own amazing projects.



What kinds of things will kids create?

Here are some examples of the amazing projects kids will create with the Fantail Creator Series:



Pulley Crane – Kids build a pulley system and experiment with mechanical advantage! They'll assemble a pulley-powered crane that can spin around, raise its arm, and lift loads. They'll swap pulleys in and out to see first-hand how mechanical advantage makes it easier to lift things.

Explore: Pulleys | Mechanical advantage | Ancient machines



Shake Table – This module shakes things up! Kids will engineer their very own shake table that can simulate an earthquake! They'll Build a motor-powered platform, complete with a spinner to make it quiver and quake. Then use foam balls and toothpicks to design a structure sturdy enough to withstand their shake table's shimmying.

Explore: Building construction | Earthquakes | Vibration control

[Sign up here](#)



Who is the Fantail Creator Series for?

Curious kids with an interest in creating cool science and engineering projects.

Ages? 9-16

English level? A2 or higher

What happens in each module?

- **Lessons 1 and 2** explore the topic through guided research and discussions on the topic area.
- **Lessons 3 and 4** will have the pupils building their creations and doing some experiments to test the theory and functionality of their projects. They will work individually and in small groups to test their designs and give a small presentation of their findings at the end of Lesson 4.



Does the price include the Crate?

Yes! The price includes all materials.

What's included in the Crate?

Every crate includes high quality building materials (even motors, switches and batteries!), step-by-step instructions and an issue of Tinker Zine which is full of topical information and cool experiments.

Can kids take their creations home?

YES!! Everyone gets their own Crate for each project which they will build in class and can take home at the end of the module!



[Sign up here](#)



In the Fantail Creator Series, kids will...

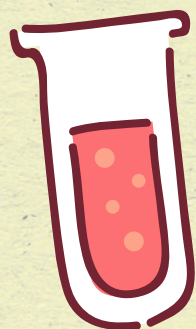
- learn about real-world problems and how to solve them in interesting and engaging ways
- have fun exploring different topic areas and use their creative thinking skills to build projects and do fun experiments
- develop their natural sense of curiosity and wonder about the world
- practice and learn English by communicating and interacting in real-life situations
- learn to describe difficult concepts in logical and easy-to-understand ways





Fantail.

ACADEMY



**LEARN
CREATE
DO**

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