

10 ways to teach the STEAM curriculum through making with the Mayku FormBox



1

SCIENCE

Properties of Materials: Making an Ice Lolly with the Mayku FormBox

Students design and make molds, then make ice lollies to learn about the chemical and physical properties of materials and how temperature alters their state and form.



2

SCIENCE

Earth & Space: Making a Sundial with the Mayku FormBox

Students design and make molds, then make sundials from concrete to learn about the movement of the earth and sun, light and shadows, and how shadows can be used to tell the time.



3

SCIENCE

Living Things: Making a Bird Feeder with the Mayku FormBox

Students design and make molds, then hanging bird feeders with seed cakes to learn about their local environment and living things, focusing on what birds need to survive and promoting sustainability.



4

SCIENCE

Forces: Making a Boat with the Mayku FormBox

Students design and make molds, then make boat hulls and sails to learn about the effects of air resistance, water resistance and friction that act between moving surfaces.



5

TECHNOLOGY

Circuits: Making a Buzzer with the Mayku FormBox

Students design and make molds, then make electronic buzzers to learn about circuits, how and why current flows, assemble components and learn how electricity powers machinery.



6

ENGINEERING

Engineering: Making a Car with the Mayku FormBox

Students design and make molds, then make windup toy cars to learn about kinetic energy, elastic potential energy, aerodynamics and forces like air resistance and friction.



7

ART

Art & Design: Making a Terrarium with the Mayku FormBox

Students design and make molds, then make concrete terrariums to learn about the connection between art, nature and science, terrarium design and the conditions different plants need to thrive.



8

MATHS

Fractions: Designing a Farm with the Mayku FormBox

Students design and make molds, then make a section of a farm to learn fractions, decimals, percentages and how these are different ways of expressing proportions.



9

MATHS

Measurements: Making a Baking Set with the Mayku FormBox

Students design and make molds, cake trays and measuring spoons, then bake a cake to learn about measurements, units, mass, volume, capacity and how to convert between metric and imperial units.



10

MATHS

Properties of Shapes: Making a Spinner with the Mayku FormBox

Students design and make molds, then make a spinner and game to learn angles and dimensions. They explore and explain properties of shapes and solve problems relating to geometry.



Mayku Teach

Mayku Teach is a simple-to-use, affordable education platform consisting of a desktop vacuum former and online portal.

The online portal contains downloadable resources for practical teaching in the STEAM subjects. These include easy-to-follow curriculum-aligned lesson plans and instructional videos focused on project-based learning.

Visit www.mayku.me/teach to explore.

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