

Discovery Kit

Build engineering constructions with themes from science, technology and play

With the Discovery Kit, students build inspiring engineering constructions. The tasks deal with engineering and science topics in an inspiring way. For example, build a real electric motor, a windmill or a vehicle and discover the associated scientific and technical principles through play. Each task is connected to the student's real world experiences, automatically making them enthusiastic about STEM topics.

With the Discovery Kit they learn:

- **Building** real engineering constructions such as an electric motor, a vehicle, a windmill, a sundial and much more!
- **Insights** into important technical and scientific basics through experiments.
- **Working** with technical materials that are also used in practice.
- **Investigative** and **design learning**.
- **Collaboration** - two students working on a discovery build.
- **21st century skills** such as problem solving and creative thinking.

The Discovery Kit consists of 14 boxes with complete tasks for a team of two students. Each team will build all 14 boxes during a selfdetermined time. Each task has a separate box with all the materials, a textbook with instructions and a content plate so everything can be prepared again for the next team. Each student receives a separate workbook with tasks and can start independently. This means that little guidance is necessary. The aim is that every teacher can work with this. The lessons are taught according to five fixed sections: Build, Review, Know, Discover, Ask and Quiz.



CONTENTS

- 14x Discovery Kit storage boxes
- 14x Teaching materials
- 28x Workbooks
- 14x Organizing sheets for parts
- 1x Teacher's manual (online)
- All necessary durable parts
- Associated tools

SUITABLE FOR

Age 8+, max. 28 students

YOU CAN BUILD

14x inspiring engineering constructions

DURATION PER ASSIGNMENT

40-60 minutes per Discovery Build

\$1,875

Overview

14x DISCOVERY BUILDS 🔍



Electric motor



Abs Roller



Beetle



Jet



Jeu de car



Jump Rope



Moonlander



Balance Bird



Rocket



Spinning top



Sundial



Tensegrity



Windmill



Dino

14x TEACHING MATERIALS 📖



14 manuals

28x WORKBOOKS 📖



1 workbook per student

1x MANUAL 📖



1 teacher's manual (online)

