

## Press release

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fischertechnik Class Set Simple Machines

# Building simple machines

**Up to 16 small groups can build models simultaneously in one class with the fischertechnik Class Set Simple Machines, such as a ball transfer machine. The models can be assembled into a large class model by being joined together. The construction kit conveys the basics of mechanics in a playful way.**

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The fischertechnik Class Set Simple Machines consists of 16 sets with which groups can build up to ten different models each. The constructions cover various simple machine principles such as lever mechanics, ropes and pulleys, four-joint links and inclined planes. This involves simple technical principles that everyone will be familiar with from day-to-day life, such as various door models or a beam balance.

All of the principles that can be learnt with this set can be applied at the same time with the ball transfer machine. The small ball transfer machines can also be assembled into one large class model made up of individual group projects.

The fischertechnik Class Set Simple Machines contains 2,320 parts, allowing up to 61 experiments to be carried out during lessons. Accompanying educational material is available online and contains assignments and their respective solutions in addition to an overview of learning objectives, how long assignments take as well as the respective curriculum references for each of Germany's federal states. Primary school

lessons can therefore be given a playful, targeted upgrade with the class set without requiring a great deal of preparation.

The components and educational materials are stored in a sturdy storage box with clear compartments that allow the parts to be quickly and easily sorted and put away.

### **fischertechnik's STEM construction kits**

All of the products in fischertechnik's Education line are developed in close cooperation with teachers and education experts to meet lesson requirements. The innovative educational materials convey a basic technical understanding and give pupils an ideal preparation for technical professions. fischertechnik's educational construction kits are used around the world to explore the following topics: Mechanics, statics, simple machines, hydraulics, pneumatics, renewable energy, fuel cells, optics and light, electronics, robotics, mechatronics, automation, data logging and Industry 4.0 as well as the Internet of Things. The products remain consistent in terms of meeting quality and sustainability requirements, as each construction kit is made in Germany and can be combined with other construction kits.

#### *Image captions:*

*Image 1: The ball transfer machine from fischertechnik's Class Set Simple Machines.*

*Image 2: The fischertechnik Class Set Simple Machines contains 16 sets that can be simultaneously built in groups.*

*Images: fischertechnik*

## **The fischer Group of Companies**

The fischer Group of Companies, headquartered in Waldachtal in Germany's northern Black Forest, generated sales of 988 million euro in 2021 with a worldwide staff of 5,400 employees. The family-owned company operates 50 subsidiaries in 38 countries and exports to more than 120 countries. It includes the five divisions: fischer fixing systems, fischer Automotive, fischertechnik, fischer Consulting and fischer Electronic Solutions.

fischer fixing systems is the technological market leader in key areas of fixing technology. fischer offers products that deliver technical perfection to a wide range of customers, from do-it-yourselfers to tradespeople to key account partners.

fischer Automotive manufactures high-quality parts for vehicle interiors. The company is highly competent in the plastics processing segment and is an important partner for the automotive industry. Its range of products includes air vents, cup holders, trays and multi-function components.

With its construction kits, fischertechnik is active in both the toymaking and the educational sector. fischertechnik is one of the last remaining toy makers to exclusively develop and produce in Germany.

fischer Consulting evolved from the competence developed in the company itself, which includes the fischer ProcessSystem with its central aim of permanent improvement for the ultimate benefit of the customer. fischer Consulting advises small and medium-sized businesses, government agencies and major companies on their path towards lean and efficient processes.

fischer Electronic Solutions develops and manufactures electronic solutions including product and system developments based on the latest technology as well as custom production orders processed in the company's own production facilities. As an experienced provider of development and production services for custom systems such as multi-touch solutions made of glass and the corresponding controller units, fischer Electronic Solutions forms the perfect link between the customer and the final product.

[www.fischer.group](http://www.fischer.group)

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