

Learning to programme at primary level

An introduction to the world of robotics for children from the age of five

Simple robot programming can be carried out with the new First Coding school construction kit by fischertechnik. Pupils at primary level can learn the principles of robotics and IT. The construction kit contains in-depth explanations on the topic and simple exercises.

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A total of three different robot models can be built with fischertechnik First Coding. The construction kit contains everything that fully functional driving robots could need: components to assemble it, a fully assembled chassis with motors, controllers and infrared sensors as well as buttons and a battery compartment. There is no need for complex wiring.

With its age-appropriate tasks, First Coding enhances any primary school lesson and conveys how simple programming works in a playful manner. Once the small robots have been assembled they can run across the provided parcours. Commands are programmed via tablet or smartphone beforehand. The robots can also be remote-controlled through the fischertechnik app or run pre-stored routes through a teach-in function and can be connected to smartphones or tablets via Bluetooth. The programming interface has an age-appropriate design, making it easy to use. This involves connecting

individual programming blocks used to control the robot. Sound effects and a sound-controlled function complete the concept.

Comprehensive teaching materials and explanations on this topic as well as eleven different exercises provide a full basis for a successful lesson.

www.fischertechnik.de

Image caption:



***Image 1:** Pupils at primary level can build and programme robot models with the fischertechnik First Coding construction kit.*

Image: 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

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