Press release

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An upgrade for technology classes

fischertechnik does its homework

fischertechnik GmbH

Klaus-Fischer-Straße 1
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fischertechnik Education assists teaching staff with promoting and developing understanding for technology with its new products. fischertechnik Calliope explains the principles of programming to pupils from the third grade and up. The Robotics Sensor Station IoT conveys data logging and the world of the Internet of Things in a simple and comprehensible manner. The new fischertechnik Education school products are being introduced at the Didacta trade fair in Hanover for the first time.

With its new products, fischertechnik Education is offering a simple introduction to programming, explaining technical connections of modern everyday life.

The fischertechnik Education school construction kit Robotics Sensor Station IoT is ideal for group work in technology lessons. The set, which comes in a practical storage box, consists of a sensor station that is constructed of popular fischertechnik components and equipped with various actuators and sensors: young constructors can capture every movement in a snapshot using a moveable USB camera. A barometer measures the air pressure, while a so-called mould-guard provides information about the humidity and temperature. Is there something in the air of the classroom or is there room to breathe?

A wellness sensor provides information on air quality. A noise sensor and frost guard are also part of the comprehensive high-tech station.

A LED-display and alarm signals sound an alert when certain values have been exceeded, or if the camera has registered movement. This function allows a plant's growth or temperature fluctuations to be documented, for example.

The respective data can be gathered, displayed in a graph and analysed. This can also be done from a larger distance, so that teaching projects can also take place outside the classroom. The ROBOTICS TXT Controller can be connected to a cloud, allowing the data to be accessed from anywhere, at any time. The Robotics Sensor Station IoT is available as an expansion set or as a complete set with the Robotics TXT Controller, the ROBO Pro software and a power supply unit.

The fischertechnik Education school construction kit Calliope contains three models, with users being able to create further models themselves. A hand dryer, traffic lights, or a barrier can easily be built using the assembly instructions. The models are controlled through the Calliope Board and the Open Roberta programming environment.

fischertechnik Calliope can be used during guided or independent lessons. The accompanying didactic booklet with material for teachers and lessons provides step-by-step start-up instructions as well as various tasks. The lesson material can be downloaded for free in fischertechnik's e-learning portal.

The new fischertechnik Education products for the school market will be introduced at the Didacta trade fair for the first

time, which takes place from 20th to 24th February in Hanover. fischertechnik can be seen at the fair stalls of the school suppliers Christiani (hall 13, booth E 112) and Conrad Education (hall 13, booth B79).

The fischertechnik school construction kit Robotics Sensor Station IoT comes in a practical storage box for technology classes.

The world of the Internet of Things is conveyed in a simple and comprehensible way with the Robotics Sensor Station IoT.

The fischertechnik school construction kit Robotics Sensor Station IoT is perfect for group work during technology lessons.

The fischertechnik school construction Calliope contains three models. A hand dryer, traffic lights, or a barrier can easily be built using the assembly instructions. The models can then be controlled through the Calliope Board and the Open Roberta programming environment.

The fischer group of companies

The fischer group of companies, headquartered in Waldachtal in Germany's Northern Black Forest, generated sales of 755 million Euros in 2016 with a worldwide staff of 4,600 employees. The family-owned enterprise operates 46 of its companies in 34 countries and exports to more than 100 countries. It includes the five divisions: fischer fixing systems, fischer automotive systems, fischertechnik, fischer consulting and LNT Automation.

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

fischer automotive systems manufactures high-quality parts for car interiors. The company is highly competent in the plastics processing segment and is an important partner for the automotive industry. fischer automotive systems produces air vents, cup holders, trays and multi-function components.

fischertechnik is active both in the construction kit and in the educational toy sector. As one of the last toy makers, fischertechnik develops and produces exclusively in Germany.

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

LNT Automation develops and manufactures custom electronic solutions. The company also develops, produces and distributes custom and capacitive touch systems such as multi-touch solutions made of glass and the corresponding controller units. All electronics are manufactured in-house.

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