

FAN CLUB NEWS

fischertechnik 

ISSUE 01/21



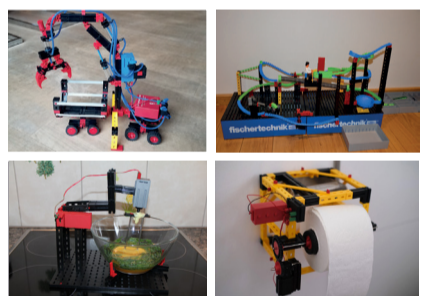
PAGE 2-4: NOVELTIES

We proudly present our novelties of 2021!



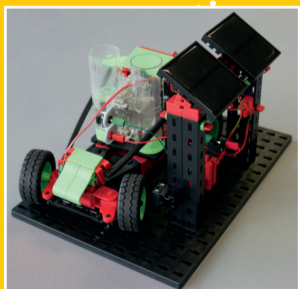
PAGE 5: NEWS

What else is new at fischertechnik?



PAGE 6: GALLERY

You have sent us again many great photos of your models!



PAGE 7: BUILDING INSTRUCTIONS

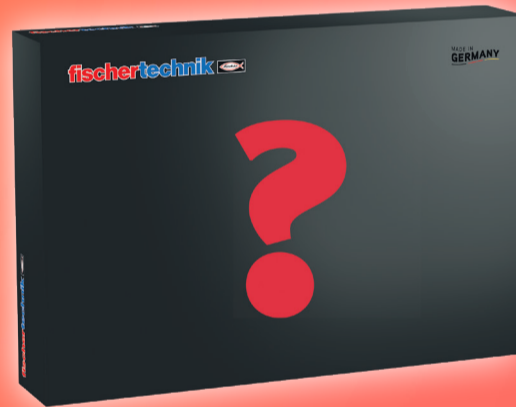
FAN CLUB model: Solar filling station

Make a wish...

Just imagine the following: You are standing in front of a huge mountain of fischertechnik parts and you can put together a whole new construction kit. No matter what the topic is, no matter how big or how small it is. What would that be? Or have you already designed your own dream model and you are still missing a very specific part to complete this model - but the part is not available from fischertechnik? Then just let us know what you would like to get! With which construction kit topic could we make you happy or which individual part are you still missing and what must it be able to do? Our development team always has many good ideas - but we also know how creative you, our FANS, are!

Now, when this year's novelties are coming for you to the toy stores, we are already thinking about what we can present you next year. Just send us your ideas and maybe we can make you happy and you will find exactly your idea in our assortment next year! Just send us your description to info@fischertechnik.de. Or maybe you can't describe your idea in words? Then create a sketch and send it to us by email or mail to

fischertechnik GmbH
 Keyword: Wish
 Klaus-Fischer-Straße 1
 72178 Waldachtal
 Germany



We are already quite excited about what we get to see from you!



We are the champions! We are very pleased to have been named the winner of the Focus Money study for *sustainability*! Nearly 500,000 consumers were surveyed for the study and they believe that we, among 1,700 companies evaluated, are the winners among toy manufacturers when it comes to ecological, economic and social responsibility.

Many thanks to all respondents!

HELLO DEAR FANS,

this year, for the very first time, we are not able to show you any exciting reports or photos from the past year. Just as most of you, who had to give up vacations and leisure activities with families and friends, we were also not allowed to attend the trade shows and events that we usually enjoy so much. Everything was cancelled or postponed and we all know the reason: The evil "C-word". However, we have used the time to present you the largest quantity of new products in fischertechnik history! We will show you all of them on the following pages.

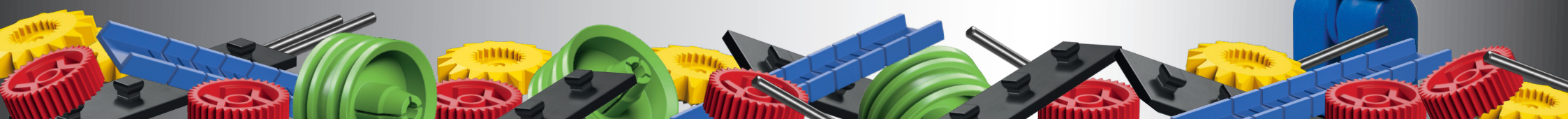
In addition, we would like to introduce you to our new colleague in the online marketing team and our hard-working developers have - in addition to all the new products - constructed a special FAN model for you again.

Be curious about what awaits you on the next pages!

Many greetings from the Black Forest!

Your

fischertechnik team



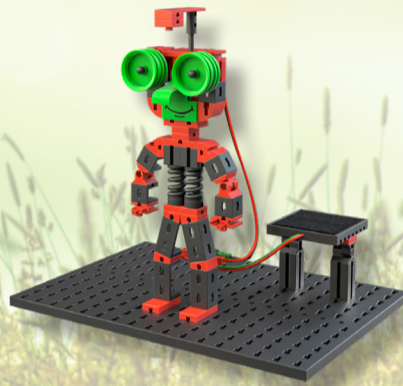
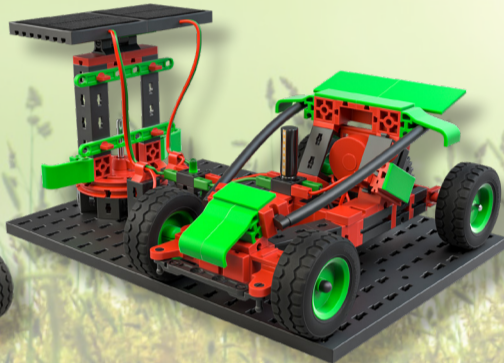
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NEW IN MARCH

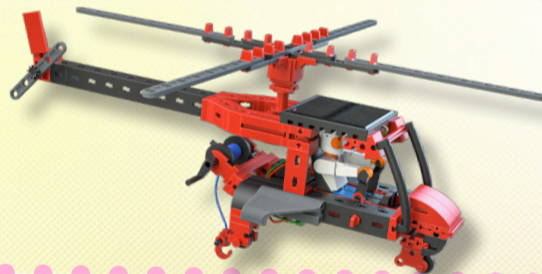
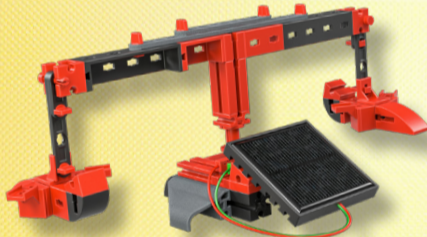
With the **STRONG PNEUMATICS** you can experience exciting adventures, in the playroom and outdoors - in action with your new brush grubber, front loader and windrower. A compressor, pneumatic valves and -cylinders, an exhaust throttle valve and many more features make the six models seem so real!



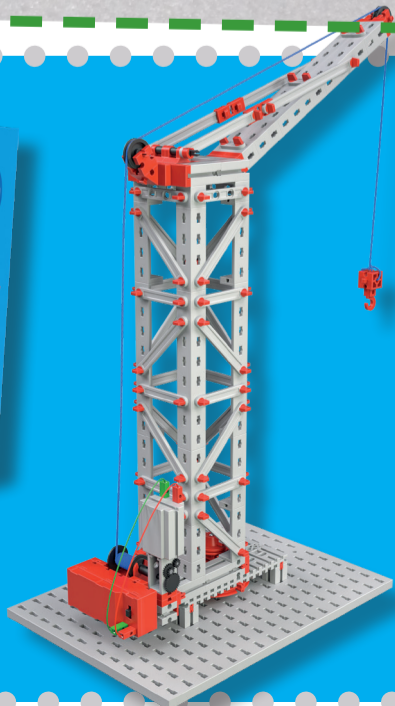
Climate and environmental protection have become an integral part of our everyday lives and are so important for our future! The **GREEN ENERGY** uses 14 different models to show you how exciting the generation, storage and use of electricity from natural energy sources is and shows you where the technologies are used „in real life“!



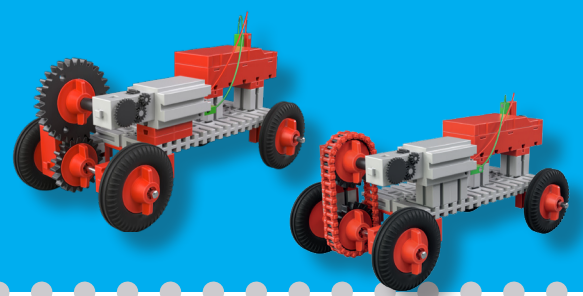
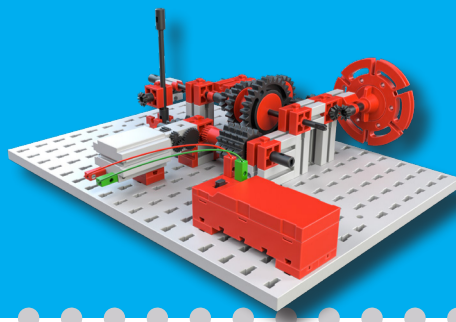
Whether in the air or on land - the four models powered by solar energy are fun everywhere! The solar motor, together with the solar cell, makes the rotor blades of the helicopter spin, just like the wind turbine! With the **SOLAR POWER** you have one more reason to look forward to spring and to the sun shining more often and bringing the models to life.

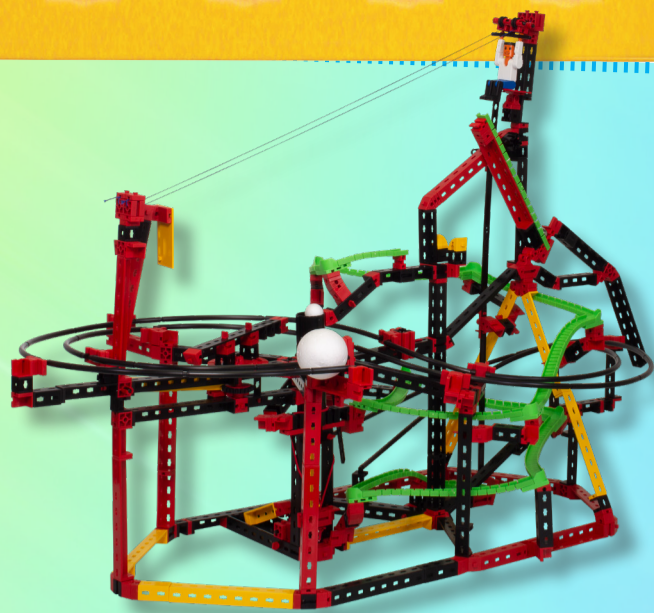


How does a fuel cell work and how can it be used to produce hydrogen? And above all, how can hydrogen be used as a propulsion system? The **H₂ FUEL CELL CAR** shows you the exciting technology behind it!



Wow, grey parts! Don't be surprised if the older fans in particular are happy about this. They still know this from the very early fischertechnik times. With this cool retro design you can learn the most important things about mechanics and statics with the **RETRO MECHANICS** - in 30 different models! That's enough for the whole family, so feel free to get the older generation to help out. Like we said, they'll be happy!





A small push is enough to trigger action-packed and exciting reactions! Either you build the three **FUNNY MACHINES** according to the instructions or you get creative - there are no limits! Just take a look around: What is tangible around you at this very moment that you could incorporate into a fast-paced course? We're sure you'll be able to find quite a few things!

Have fun trying it out!

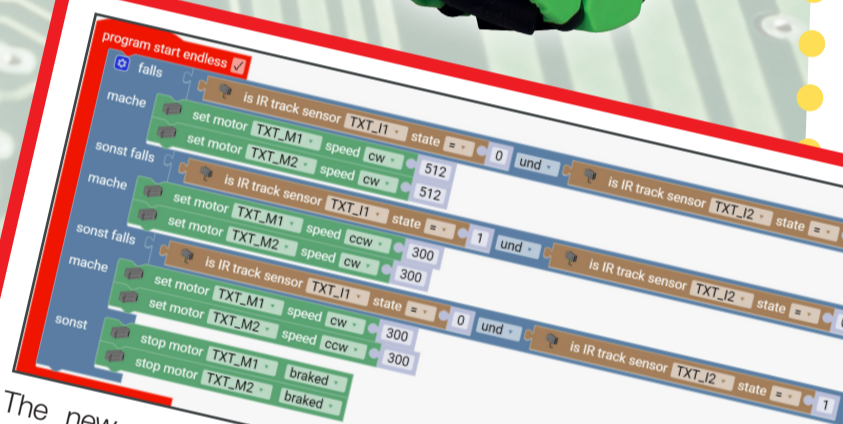


The **FUNNY MACHINES** have already brought you so much fun - now there's also the „big brother“ **FUNNY REACTIONS!**

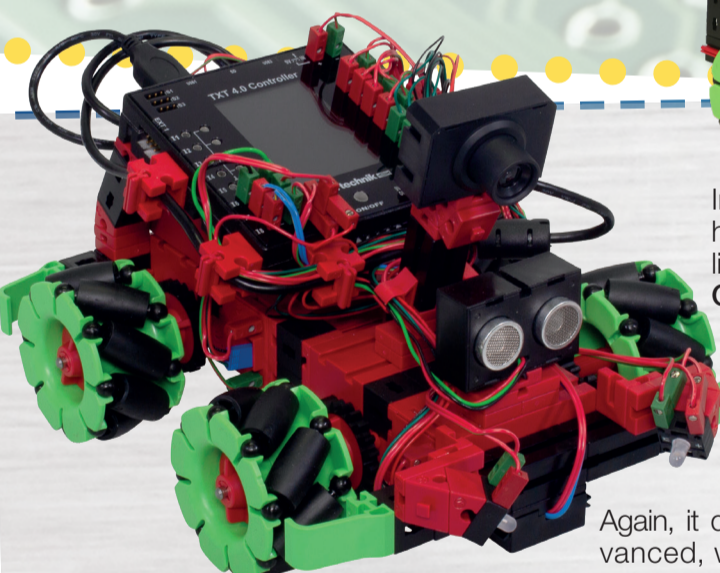


You can really be excited about the **ROBOTICS SMARTTECH!** So many innovations in one kit! The **TXT Smart Controller**, together with the **ROBO Pro Coding** software, brings nine exciting models to life. And these models drive around on cool **Omniwheels**. With these, you can make your model whiz and dance in every conceivable direction and also shoot a ball. Four motors drive the omniwheels. The **RGB gesture sensor** recognizes gestures in six different directions, measures **RGB color values** and ambient light and ambient brightness and can be used as a **proximity sensor**. Together with the **IR track sensor** and the **pushbutton** you can build nine different driving robots and send them on a tour of discovery...

WOW!



The new software **ROBO Pro Coding** can do a lot! In the multilingual programming environment you can program both graphically and text-based, via **Python**. You can use it either on your **Windows, Linux or MacOS** computer or if you have a tablet or smartphone also with **Android or iOS** devices. No matter if you are a beginner, advanced or already a programming expert, you can choose from these learning levels the one that suits you including programming examples. You can save your results not only for yourself on your device but also in the cloud and share them with other users, how cool is that!



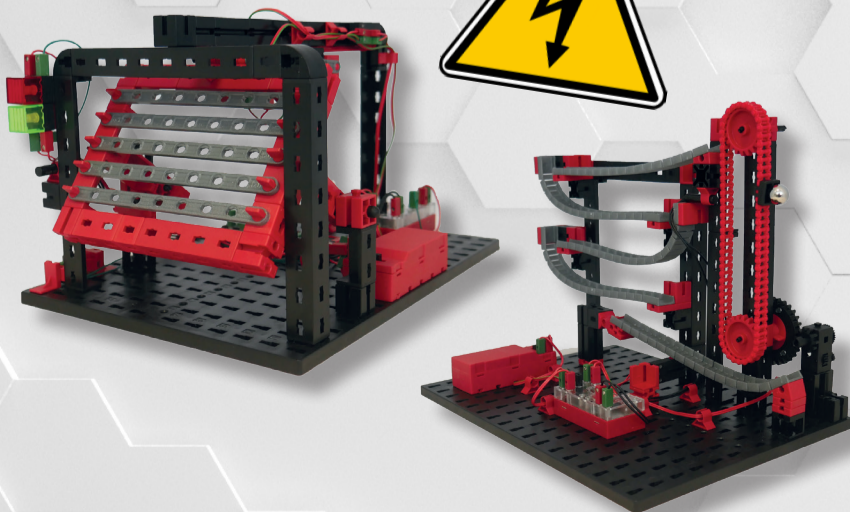
In the **ROBOTICS HIGHTECH**, one highlight chases the next. Program like the pros with the new **TXT 4.0 CONTROLLER**, which offers plenty of new features with its **512 MB RAM** and **4 GB eMMC memory**, three **servo outputs** and a **touch display** that supports **swipe gestures**. With an additional app for **Android/ iOS**, it can even be controlled via **voice recognition!**

Again, it doesn't matter if you are a beginner or advanced, with nine models to choose from, there's something for everyone! With the cool **Omniwheels**

the painting robot independently draws you shapes on a sheet of paper and with a little skill you manage to make the ball-shooting robot specifically shoot down its obstacles! The soccer robot can, thanks to the camera with image processing, recognize a ball - shot and goal! Many other gadgets included in the kit make it possible for you to construct such versatile models: A servo motor, infrared track sensor and ultrasonic distance sensor, **TXT 4.0 Controller**, **USB camera**, four encoder motors, servo motor, ultrasonic sensor, button, **LEDs**, **IR track sensor**, **USB connection cable**, battery and charger. A real complete package!



The **ROBOTICS HIGHTECH** includes the new **TXT 4.0 CONTROLLER!**

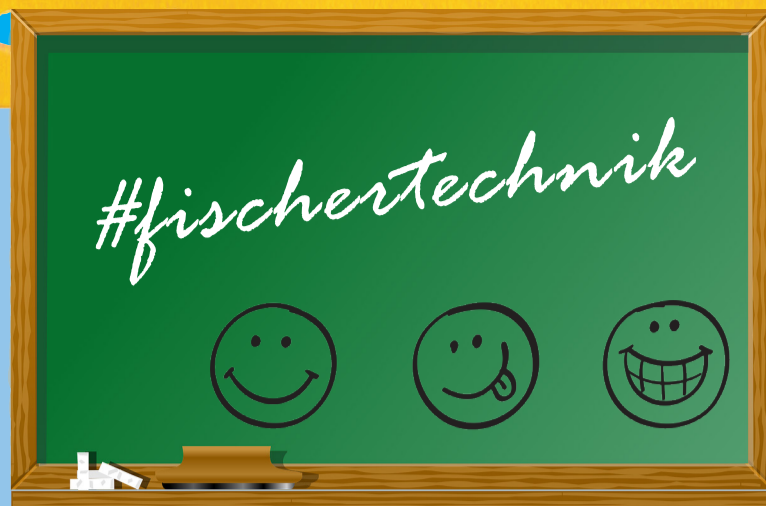


Simple circuit, series and parallel connection, electronic circuits with transistors, capacitors, resistors and **LEDs** - the 12 models of the **E-TRONIC** offer everything an electronic engineer's heart desires! The new **E-TRONIC** module is a controller with 16 fixed programs and has two motor outputs, three analog inputs for sensors and a potentiometer for speed control of a motor. After Easter summer will come quickly, do you need a fan for your room then? With the **E-TRONIC** you can build it yourself! Or do you like to go camping outside? You will surely need a flashlight in the dark, which is also one of the models...



Understanding technology through play... ...even outside your own four walls!

As fischertechnik fans, you know our toy section inside and out, of course! But have you ever met fischertechnik outside of your home? You probably know that you can also find us in schools, universities and even in industrial companies! Maybe you even learn at school with fischertechnik construction kits in class? On the last pages we have already shown you what new toys we have. But we also have a lot of cool news for schools that will certainly interest you. Now that everyone has to study at home for so long (#homeschooling), you're probably looking forward to doing something together with your classmates at school again! Maybe your teachers have been busy over the past few weeks and have also discovered what exciting things you can do with fischertechnik?



Our clever developers always think about which topics interest you, are fun and where you can easily learn something along the way. That's what they do when it comes to toys - but also with the construction kits for schools and universities! They work very closely with teachers and many other experts who know exactly what you need to know in class and what you learn in which class. Many of the topics covered in the curriculum are also familiar to you from your construction kits at home: pneumatics, mechanics, statics, hydraulics and - of course - robotics. So you see, everything you need for the STEM subjects in school you've actually already learned while playing - isn't that cool? But the models are a bit different from the ones you know from toys - after all, they are supposed to teach you something in school :). That's why they are packaged differently, in black boxes, so that the packaging doesn't wear out so quickly and many school classes can use the construction set. Take a look at what's new for the next school year:



YOU CAN REACH US:

Mondays to Fridays
from 8.30-12.00 am and 1.00-5.00 pm
Phone +49 (0) 7443 12-4369
Fax +49 (0) 7443 12-4591

fischertechnik GmbH
Klaus-Fischer-Straße 1
D-72178 Waldachtal

www.fischertechnik.de
info@fischertechnik.de

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The big boxes are very practical and the models that come out of them look cool, are big.... but what happens when you, as fischertechnik professionals, are told that there are not enough parts and therefore not everyone can build? No way!!! Of course, this won't happen to you at home. There you are the bosses of your own construction kits and individual parts. But when there are 30 pupils, students or trainees in one room, it's sometimes not so easy... So we thought about what we could do. Ta-daaa: Here you see a "class set". In two of our blue 1000 boxes there are packed 16 smaller boxes. Each small box can be used to construct different models. If two students share a small copy to show. So far, these class sets are available for four different topics: Gears, Electronics, Solar Energy and Optics. We are a bit proud of that... because that means:
fischertechnik for everyone!

(If you are now thinking "Wow, fischertechnik not only for leisure time but also in school", then why don't you tell your teachers about our cool novelties :))



Writing your own program at the age of 5 sounds exciting, doesn't it? Well, from now on it's possible and not that hard! This little guy here called **FIRST CODING** and two other models that you can build with the school construction kit, allows such an early entry into the world of **ROBOTICS**. And shhht: This will also be available as a **ROBOTICS** toy (**EARLY CODING**) starting this summer! With its simple graphical programming language, this is a real insider tip. So you will soon have even more in common with your younger siblings when you can program & tinker together!



Fan Club Day 2021



NEWS

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At this point we would like to tell you when our popular Fan Club Day will take place this year... unfortunately we can't do that (yet). The current situation simply doesn't allow making any plans, so we can't tell you if and in what form we can get together with you this year. We would love to start great actions with you again - model show, stock sale and much more! But your health and that of our employees is very important to us. Therefore, it is now called: Keep patience and wait. We will keep you informed about the developments on our homepage and hope to welcome you again soon here in Waldachtal!

Have you already noticed...

...that something has changed with our spare parts???



If that's not great news! In close cooperation with our distribution partner Santjohanser, we have found a solution that meets your needs for free and creative building in the future because due to process optimizations we managed to reduce the prices for our single parts partly significantly! The new prices are valid since March 1st. We have sent you a new price list so you can start browsing right away! And that's not all, there is another reason for joy. The new spare parts of our this year's novelties will be available soon, you will also find them in the price list! We hope that you will find many great parts to expand your models.

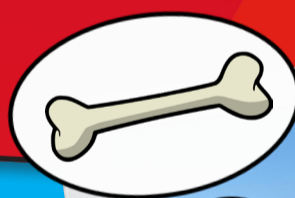
Please remember to send us photos for the gallery. Just have a look at the great models of the other fans on the next page!



Do you also miss those times?
Fan Club Day 2019

This issue also online - don't miss it!

In addition to this newspaper, you can also view this issue online using your tablet or smartphone. Click through at www.fischertechnik.de/en/playing/fan-club/information-and-login/login.



Welcome!

*„Hello everyone!
My name is Jessica and I am the new Online Marketing Manager at fischertechnik. I would like to take this opportunity to introduce myself to you:*

I was born in August 1995 in Balingen in the Zollernalbkreis. In my free time I like to do yoga, fitness or read an exciting thriller. I am also a proud dog mom of a small Yorkshire Terrier and I like to go for walks with him in the nature. My favorite activity, however, is travelling. Through my experiences abroad during my studies, a semester abroad in South Africa and two stays abroad in Denmark and Norway, I have developed a very great desire to travel. That's why it's my biggest dream to take a trip around the world one day. In 2016 I started my dual study program at the fischer group of companies in the field of media and communication management with a focus on dialog and online marketing. Three years later and with a lot more experience, I successfully completed my studies in 2019. Because I have always been interested in online marketing, social media, modern technologies etc. and also enjoyed the topics in my studies very much, it was clear to me that I definitely wanted to develop in this direction. So after my dual study program, I started in the „Digital Services“ area at the fischer group of companies in the fastening area and then switched to the marketing department at fischertechnik this year in February.

I am very much looking forward to my future at fischertechnik and hope that we will soon meet in person at fischertechnik events.“

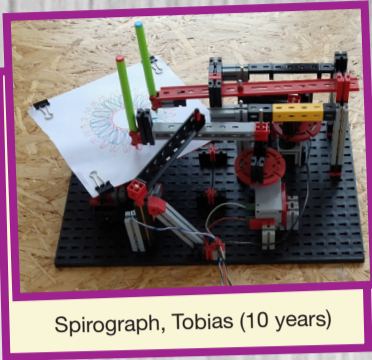
FUN

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GALLERY, GALLERY, GALLERY



YOUR photo could be here!



Spirograph, Tobias (10 years)



Steam driven machine, Malcolm (9 years)

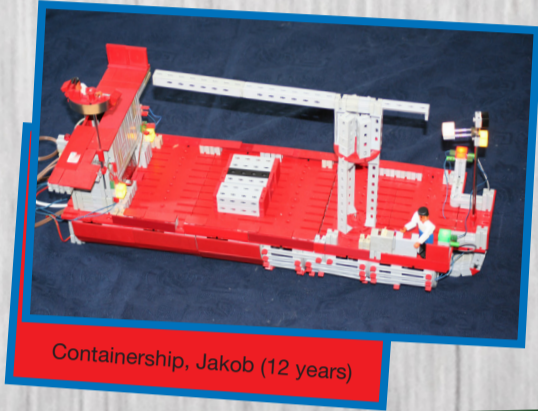


Compressor, Frank

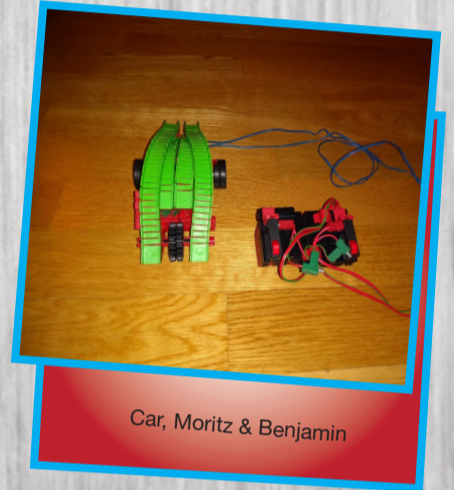


Crane, Malcolm (9 years)

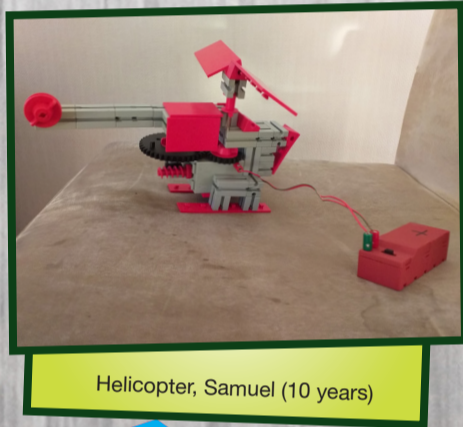
Thank you so much for the interesting and funny models, which you sent us. Are you often building your own models? Are you able to creatively design various models without building instructions? Plus do you always have cool model ideas? It would be a real shame if no one apart from you saw them. Just send us a picture of the model you made yourself to info@fischertechnik.de. We always show the most beautiful models here in the Fan Club News. Let's create something awesome!



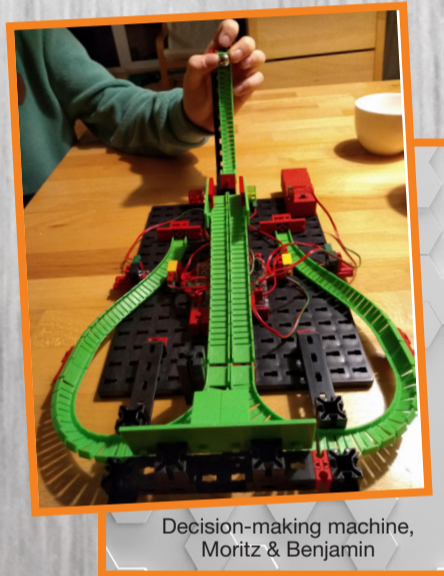
Containership, Jakob (12 years)



Car, Moritz & Benjamin



Helicopter, Samuel (10 years)



Decision-making machine, Moritz & Benjamin

Find the mistakes!

A few mistakes have been hiding down here in the right image, can you find them all? How does the right picture differ from the original on the left? Circle the total of 5 mistakes and send us a photo of your solution with subject "Find the mistakes!" to gewinnspiel@fischertechnik.de. If you can't take a picture, just send us an email describing where you found the mistakes. You can win a cool solar power kit! The deadline is April 30, 2021.



...ready for another competition? Follow the QR code to the Easter competition on our homepage!

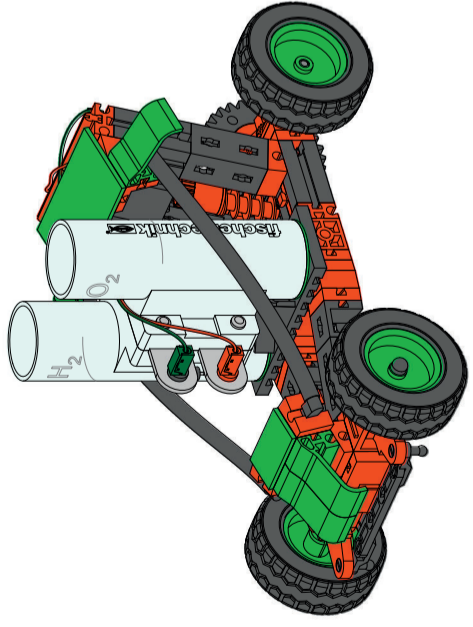


The winners are informed in writing. The organizers' decision is final.



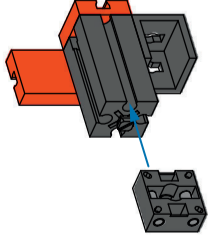
H2 Fuel Cell Car

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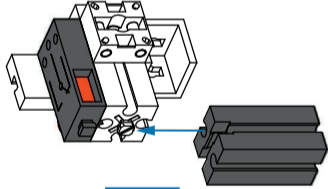


Solarladestation

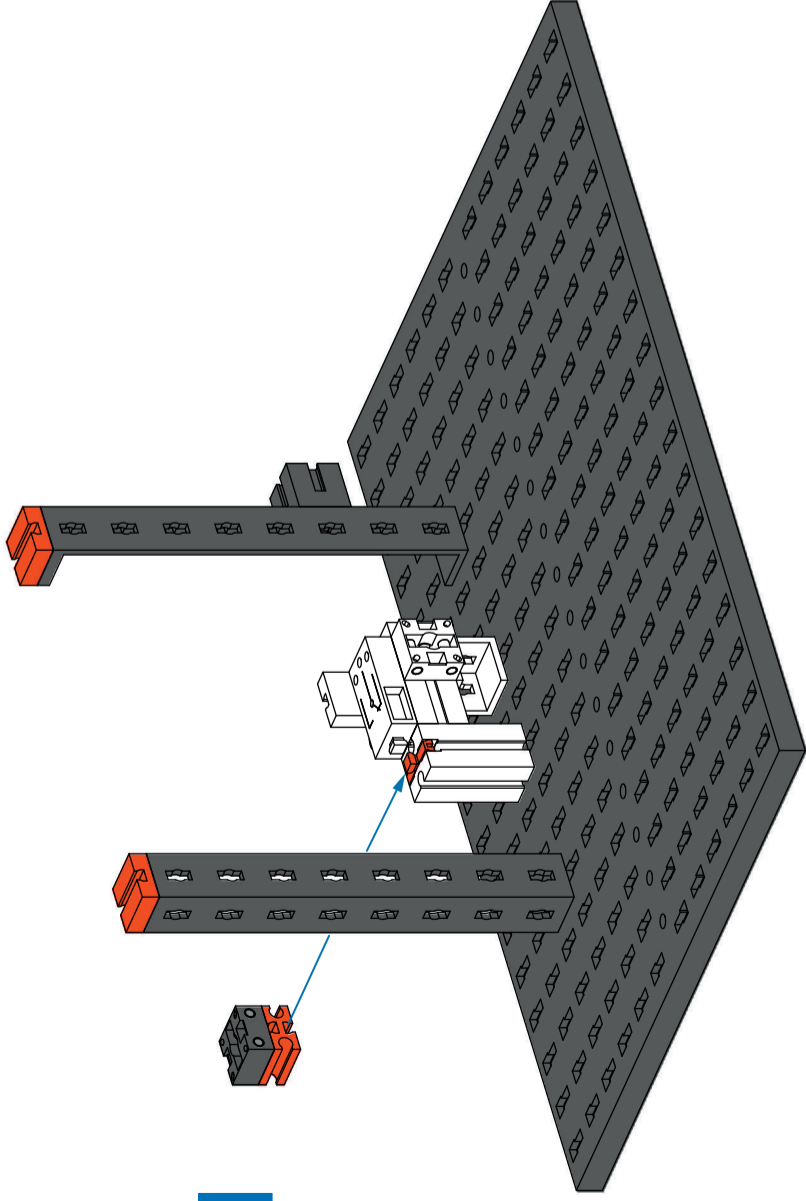
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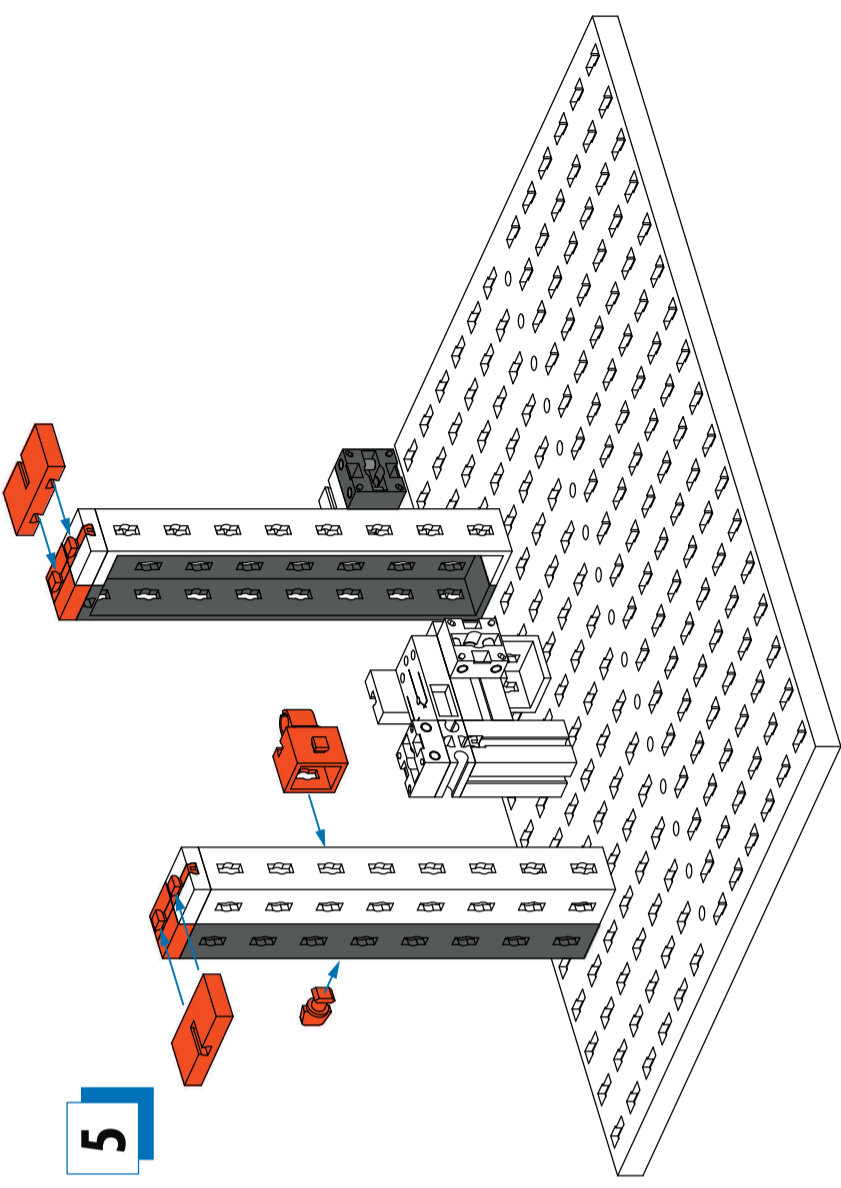
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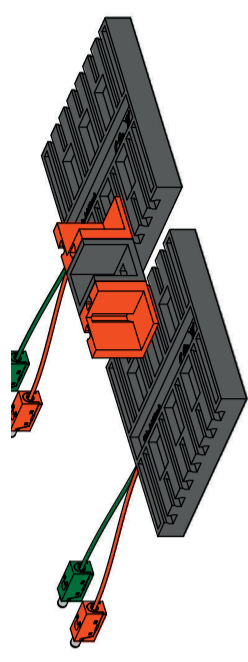
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