



Make - Play - Learn

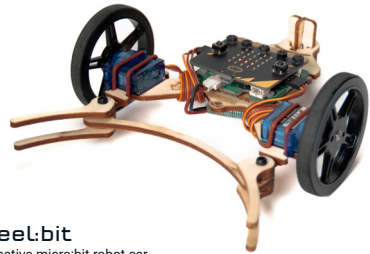
Unleash your creativity with MakeKit's micro:bit-powered toys,
where education meets engaging and sustainable fun!



Air:bit

The drone you code yourself with micro:bit

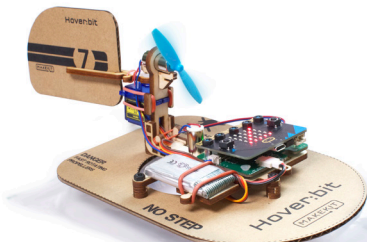
- ✈️ Build, program and fly your own drone
- ✈️ Experience mastery and commitment
- ✈️ Sustainable and maker-friendly



Wheel:bit

The creative micro:bit robot car

- 🚗 Drive with a remote control or drive autonomously
- 🚗 Play football, move things or make a drawing
- 🚗 Easy and fun to program and build



Hover:bit

Micro:bit hovercraft

- 🚁 Unleash your creativity with your own design
- 🚁 Perfect for interdisciplinary projects
- 🚁 Drives at up to 30 km/h



Bubble:bit

Let there be bubbles!

- 🧼 Step-by-step understanding of micro:bit and automation
- 🧼 Build and code your own soap bubble blowing robot
- 🧼 Learn to program motors, LEDs and servos

About MakeKit

In this catalog, you'll discover exciting toys and educational tools, where some are utilizing a smart little computer called **micro:bit**.



With **MakeKit**, you can become an inventor: build your own creations, program them to do fun things, and customize them as you like.

Our products are not just fun and educational, but also eco-friendly and easy to repair. Dive into the following pages and explore how you can learn about a whole world of subjects, all while having a great time!

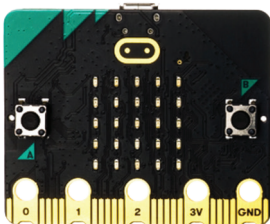
Find our products and learn more:
[MakeKit.no](#)



Hey, do you know what a micro:bit is?

It's a tiny computer you can program to do a lot of fun stuff. We at **MakeKit** make it even more fun, like making robots or drones!

Kids use it in school to learn and create cool projects. With your imagination, you can do so many amazing things with the **micro:bit**!



Accelerometer

Blue Tooth Radio

LED - Screen 5x5 pixels

Microphone and Buzzer

Temperature sensor

The **micro:bit** also features 4 Pins we use to connect the **WonderKit** control board. It is this control board that powers all the amazing products and kits.

Levels of difficulty

Easy

Medium

Advanced

These colours represent levels of difficulty.

You find them on the products, and on multiple project connected to each product.

Products



Our micro:bit and WonderKit powered products:

Air:bit

Beginner Expert

The world's first micro:bit drone that uses relevant skills to master the technology of the future.

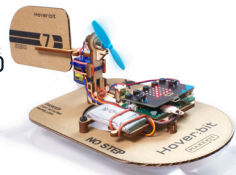


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Hover:bit

Beginner Expert

Hover:bit is a swift and agile hovercraft for land use. The durable design uses recycled cardboard and you can even design your very own craft.

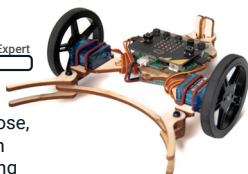


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Wheel:bit

Beginner Expert

Wheel:bit is an affordable, multi-purpose, 3-wheeled car that can be turned into a drawing machine or a football-playing robot.



Page 6

Bubble:bit

Beginner Expert

Meet the robot that lights up the day with a LED bulb, welcomes you with a friendly wave, and blows bubbles of pure excitement.

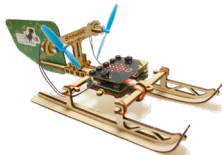


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Snow:bit

Beginner Expert

Now you can experience the magic of building your very own SnowRacer. Meet Snowbit!



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Our DIY Drones:

Kolibri

Beginner Expert

One of our most popular! This drone provides a basic experience in how a quadcopter behaves in the air.



Page 9

MD2

Beginner Expert

Powerful and very light drone in aircraft veneer with approx. 12 minutes flight time. Complete set with radio and charger.



Page 10

Small DIY products

Rattlebot - Make your own digital animal

Millibots - Small DIY robots with LED-light

Julestas - Small kits for the holiday

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Air:bit

Part of
WonderKit

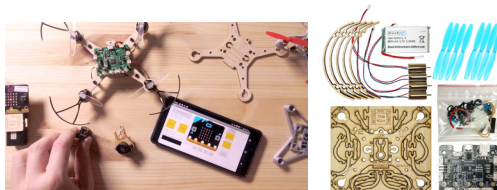
Beginner Expert

The world's first micro:bit drone uses relevant skills to master the technology of the future.

Air:bit combines the ease of use of the micro:bit board with the excitement of building and flying a drone.

A STEAM-based learning set, which will engage students in a practical and creative way of learning.

The drone can be adapted to several areas of use, is fully repairable and can withstand many crashes.



Available versions:

1x Single pack	Complete
5x Class Kit	Complete
6x Class Kit	Complete
10x Class Kit	Complete

Compatible products & accessories:

micro:bit V2
Fly More Kit (service pack)
Wifi-Cam
3D-printers and laser cutters

Projects:

These are examples of engaging and relevant educational projects for this product.

Precision Flight

Take off, fly and land at specific places along a track. Who are the best at precision flight?

Age: 14 years /
8. grade and up

Drone Design

The students design their own frames and use 3D-printer or Lasercutter to make them.

Age: 15 years /
9. grade and up

Analysis

Register and collect data from the micro:bit. Flight and accelerometer, battery voltage and more.

Age: 16 years /
10. grade and up

Hover:bit

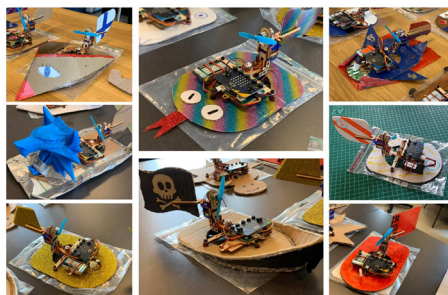
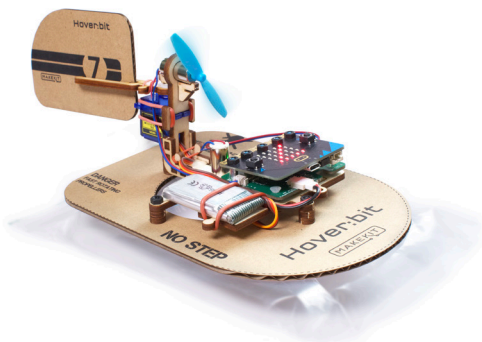
1/2 Part of
WonderKit



Hover:bit is a swift and agile hovercraft for land use. The durable design uses recycled cardboard and you can even design your very own craft.

Hover:bit is a STEAM-based building kit that combines practical skills, science and coding. Powerful drone motors fill a cushion of air that pushes the hovercraft forward at up to 30 km/h!

The classroom kits come with instructions that allow students to use cardboard and other materials to design their own remote-controlled vehicles.



Available versions:

1x Single pack	Complete	or	Add-On
5x Class Kit	Complete	or	Add-On
6x Class Kit	Complete	or	Add-On
10x Class Kit	Complete	or	Add-On

Compatible products & accessories:

micro:bit V1 and V2
Drift More Kit (service pack)
Wifi-Cam
3D-printers and laser cutters

Projects:

These are examples of engaging and relevant educational projects for this product.

Racing

Who are the fastest racer? Hover:bit is fast, engaging and durable. If something breaks, you just fix it.

Age: 11 years /
6. grade and up

Design

Be creative and design your own Hover:bit. How about make a design that represent a country?

Age: 12 years /
7. grade and up

Gravity X

Experiments that shows the power ($9,81 \text{ m/s}^2$) of gravity. Uphill vs. Downhill. Drifting in a Parabole

Age: 14 years /
8. grade and up

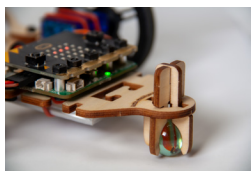
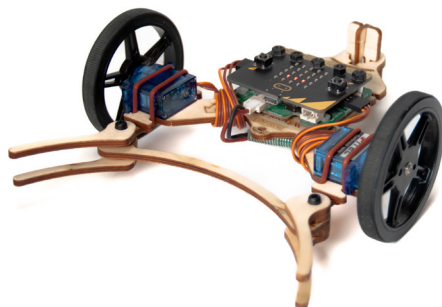
Wheel:bit

1/3 Part of
WonderKit

Beginner Expert

Wheel:bit is an affordable, multi-purpose, 3-wheeled car that can be turned into a drawing machine or a football-playing robot. Wheel:bit can run autonomously, or become remote-controlled by another micro:bit. Use craftsmanship, and convert the vehicle into a trash cleaner robot, or a custom rod.

See projects like the football scoop ball or the painter: makekit.no/docs



Available versions:

1x Single pack	Complete	or	Add-On
5x Class Kit	Complete	or	Add-On
10x Class Kit	Complete	or	Add-On

Compatible products & accessories:

micro:bit V1 and V2
Drive More Kit (service pack)
Wifi-Cam
3D-printers and laser cutters

Projects:

These are examples of engaging and relevant educational projects for this product.

Scoop-Ball

Play against each other.
Who can scoop up most
pucks fastest?

Age: 9 years /
4. grade and up

Design

Be creative and design your
own car.
How would you like it to
look and work?

Age: 12 years /
6. grade and up

Code your Artwork

Make your own artwork by
coding mathematical
patterns and using a pen
on the Wheel:bit.

Age: 14 years /
8. grade and up

Clean the Ocean

Our Oceans are polluted
with plastic. Make your
Wheel:bit into the most
effective tool for cleaning
the environment.

Age: 15 years /
9. grade and up

Bubble:bit

Part of
WonderKit

Beginner Expert

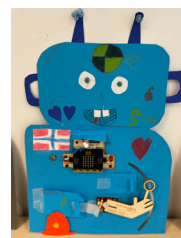
Meet the robot that lights up the day with an LED, welcomes you with a friendly wave, and blows bubbles of pure excitement.

Bubble:bit is the best introduction to micro:bit and it's possibilities.

Kids of all ages will love the sound-activated bubble-maker!

Bubble:bit is a practical and fun approach to learning automation and tomorrow's technology.

You build, code and the robot gives you lights, waves and blows soap bubbles!



Available versions:

1x Single pack	Complete	or	Add-On
5x Class Kit	Complete	or	Add-On
10x Class Kit	Complete	or	Add-On

Compatible products & accessories:

micro:bit V1 and V2
More Bubbles Kit (service pack)
3D-printers and laser cutters

Projects:

These are examples of engaging and relevant educational projects for this product.

Sound-meter
Measure the noise in the class-room. And reward a quiet room.

Age: 10 years / 4. grade and up

Tea-maker
Build your own Tea machine.
Tea have never been easier.

Age: 12 years / 6. grade and up

Solar system
With the knowledge you now have, make your own robot that will join you on an adventure out in the solar system.

Age: 13 years / 7. grade and up

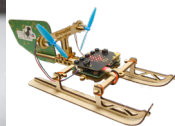
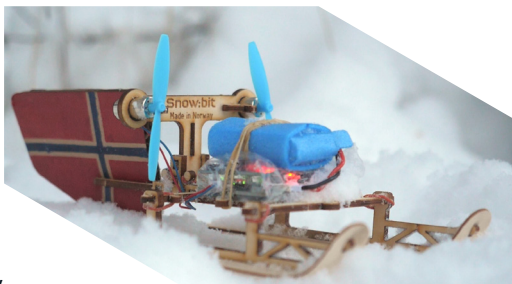
Snow:bit



A Revolutionary Sledge for STEM Education

Crafted from birch plywood, it features powerful drone motors, a lithium battery, and a micro:bit microcontroller. It's a blend of traditional ski craftsmanship and modern technology.

The Snow:bit offers hands-on experience in physics and engineering, with students competing to build the fastest sledge. It's a fun, engaging way to bring STEM concepts to the outdoors.



Available versions:

1x Single pack	Complete	or	Add-On
5x Class Kit	Complete	or	Add-On
10x Class Kit	Complete	or	Add-On

Compatible products & accessories:

micro:bit V1 and V2
More Snow Kit (service pack)
3D-printers and laser cutters

Projects:

These are examples of engaging and relevant educational projects for this product.

Racing

Who are the fastest racers?
Snow:bit runs on snow and ice.

Age: 14 years /
8. grade and up

Ski making

Learn age-old ski care
techniques and improve
glide

Age: 15 years /
9. grade and up

Insulation

Learn to insulate and
protect battery and sensitive
components

Age: 15 years /
9. grade and up

Design

Get creative and let the
students express
themselves with colours
and shapes.

Age: 15 years /
9. grade and up

Kolibri



One of our most popular products!

Kolibri is a small DIY drone perfect for learning how to build a drone, connect the electronics, and learn how to fly. And it is of course easy to repair if you happen to crash.

Develop hand-eye coordination with the Kolibri.

This drone provides a basic experience of how a quadcopter behaves in the air.

Includes a wifi-camera

Mount a camera and stream the image straight to your phone!



Available versions:

- 1x Single pack
- 5x Class Kit
- 10x Class Kit

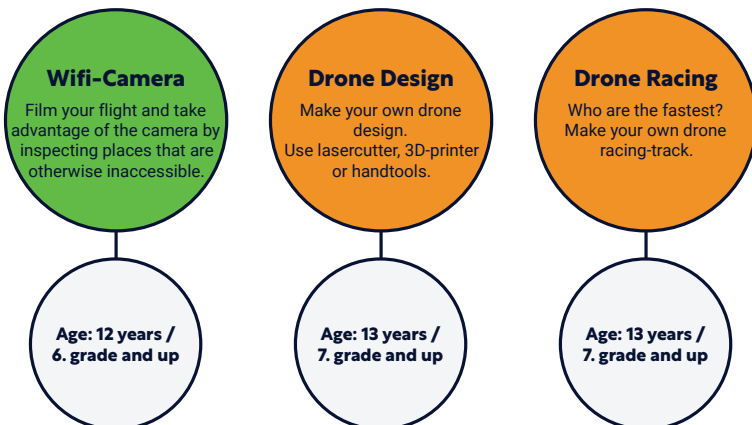
Compatible products & accessories:

3D-printers and laser cutters



Projects:

These are examples of engaging and relevant educational projects.



MD2

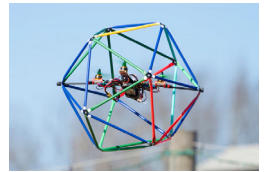


The classic, Norwegian-developed drone building kit - since 2015

Powerful and very light drone in aircraft veneer with approx. 12 minutes flight time.
Complete set with radio and charger.

Suitable for schools and businesses.

MD2 provides motivating and relevant learning in Norwegian schools and as a motivating activity in companies. Among other things, it can be used in drone subjects, TOF, Vg1 Electro, VG2 drone and Vg3 Drone subjects.



Available versions:

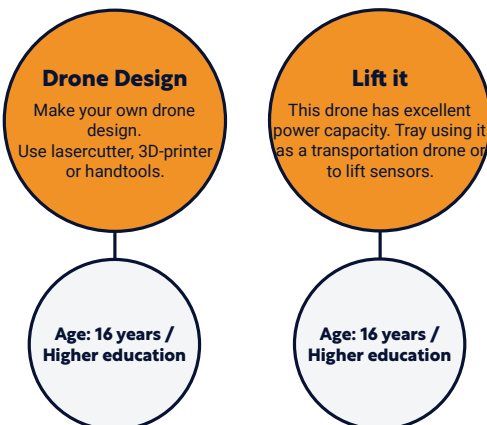
- 1x Single pack
- 5x Class Kit
- 10x Class Kit

Compatible products & accessories:

3D-printers and laser cutters

Projects:

These are examples of engaging and relevant educational projects.



Small DIY products

Small DIY electronics kits that are easy and fun to build.

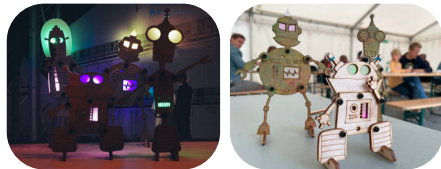
Julestas - Small DIY kits for the holiday



Rattlebot - Make your own digital animal



Millibots - Small DIY robots with LED-light



Recommended WonderKit collections

The WonderKit control board and battery can be used on multiple products in our collection

WonderKit Green Control Board

- Bubble:bit Complete
- Wheel:bit Add-On
- Hover:bit Add-On
- Optional: micro:bit V2

Example:

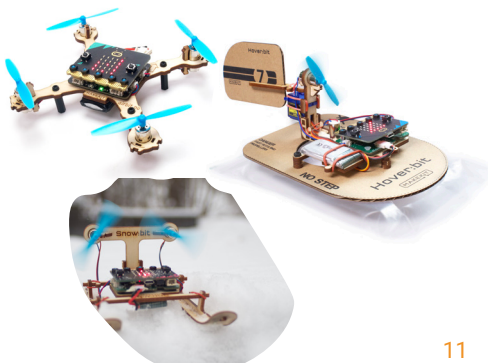
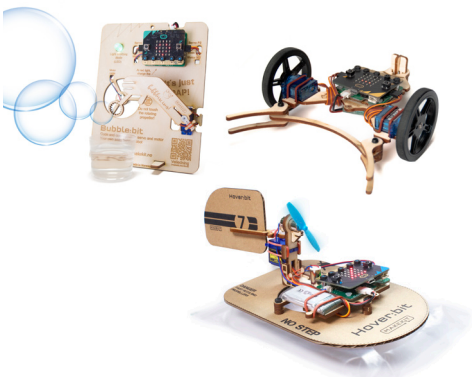
You get the WonderKit Green Control Board and battery with the Bubble:bit Complete, and can use these components on both Wheel:bit and Hover:bit.

WonderKit Black Control Board

- Air:bit Complete
- Hover:bit Add-On
- Snow:bit Add-On
- Optional: micro:bit V2

Example:

You get the WonderKit Black Control Board and battery with the Air:bit Complete, and can use these components on both Hover:bit and Snow:bit.



Experiences the students remember

Sustainable tools for education that engage and give students:

- Creative joy,
- Deeper learning
- Technical mastery



Your notes:



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Winner of the Kids Judge BETT Award in 2023
Henning Pedersen and Steinar Holøs the founders of MakeKit

