

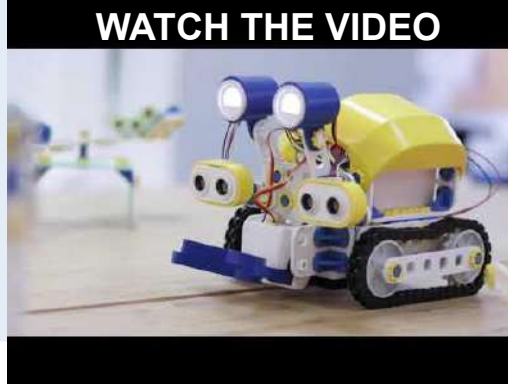
OFFER FOR SCHOOLS AND EDUCATIONAL INSTITUTIONS

SkriLab: STEAM Education



Why Skriware?

WATCH THE VIDEO



We teach
practical skills

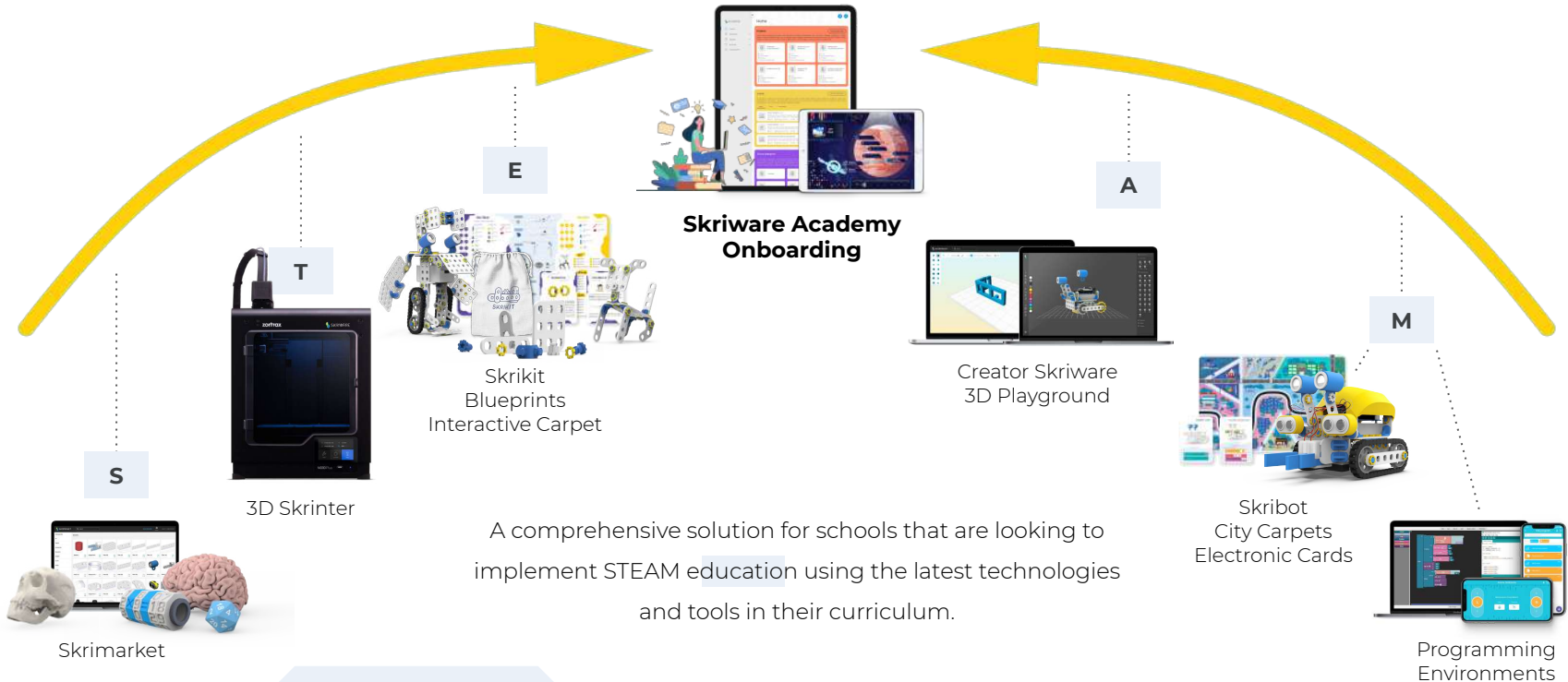
We go beyond the framework of traditional education, teaching competences and skills that will become a necessity in the future labor market.

We develop a
passion for learning

We focus on learning through experimenting and creative problem solving. We show that science is fascinating and not limited to pages in textbooks. .

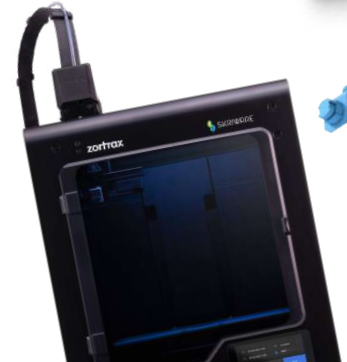
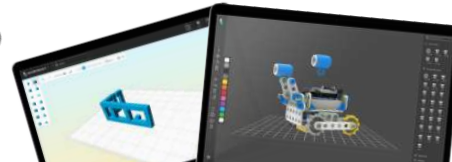
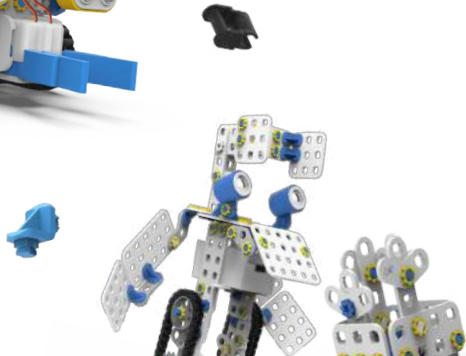
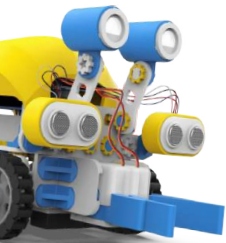
We support the
development of teachers

We help in the implementation of the core curriculum and focus on the development of competences and a transfer of knowledge between teachers.



SkriLab is:

- 7 physical products, 2 online platforms, 2 CAD tools, 4 programming environments
1 App and 3 desktop programs.
- a well organized teacher experience path, for those taking their first steps in working with a new didactic tool,
- continuous development of the teaching staff through access to new educational content throughout the subscription period,
- Educational tools and materials that can be used for at least 8 subjects,



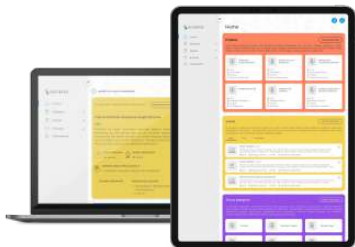
SkriLab: schoolfriendly STEAM education

STEP 1:

Get to know Skriware and our tools



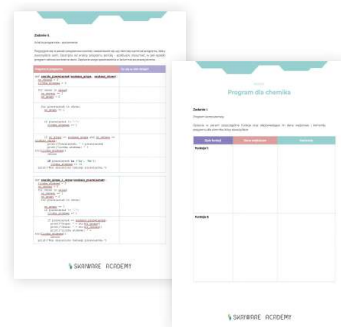
STEP 2:
Find your lesson



STEP 3:
Prepare for your lesson



STEP 4:
Utilize our educational materials



STEP 5:
Conduct an engaging lesson

Step 1:

Get to know Skriware and our tools

Introducing a new tool into the daily routine of a teacher is quite an undertaking - obtaining the knowledge and mastering the required technical skills for operating the equipment takes both time and commitment.

Skriware is there to accompany teachers during this process, providing them with the necessary knowledge and assistance in order to overcome the first obstacles. This is why a **key element** of our **SkriLab** is a series of webinars for your staff.



Step 1: Implementation Training



The **Implementation Training** is a series of online webinars during which participants have the opportunity to learn and test their knowledge regarding modern technologies in practice. They will also learn about the use of Skrilab for their classes.

The training schedule was created to enable an in-depth familiarization of the digested content in a suitable time frame for the school.

The training consists of 8 sessions that are spread out over time. Due to this participants have the opportunity to explore our tools on their own accord and return to the next session with any questions that may arise.

Q&A SESSION:
TRAINING PATHS AND MODULES

WEBINAR 1:
OUR EDUCATIONAL SYSTEM

WEBINAR 2:
S2 3D PRINTER: OPERATION AND
POSSIBILITIES

WEBINAR 3:
3D MODELING AND SLICING

WEBINAR 4:
SKRIWARE ROBOTICS: SKRIBOT
& CREATOR

Q&A SESSION + WEBINAR 5:
BLOCK PROGRAMMING

WEBINAR 6:
SKRIWARE ACADEMY

Q&A SESSION:
SKRILAB SUMMARY

Step 2:

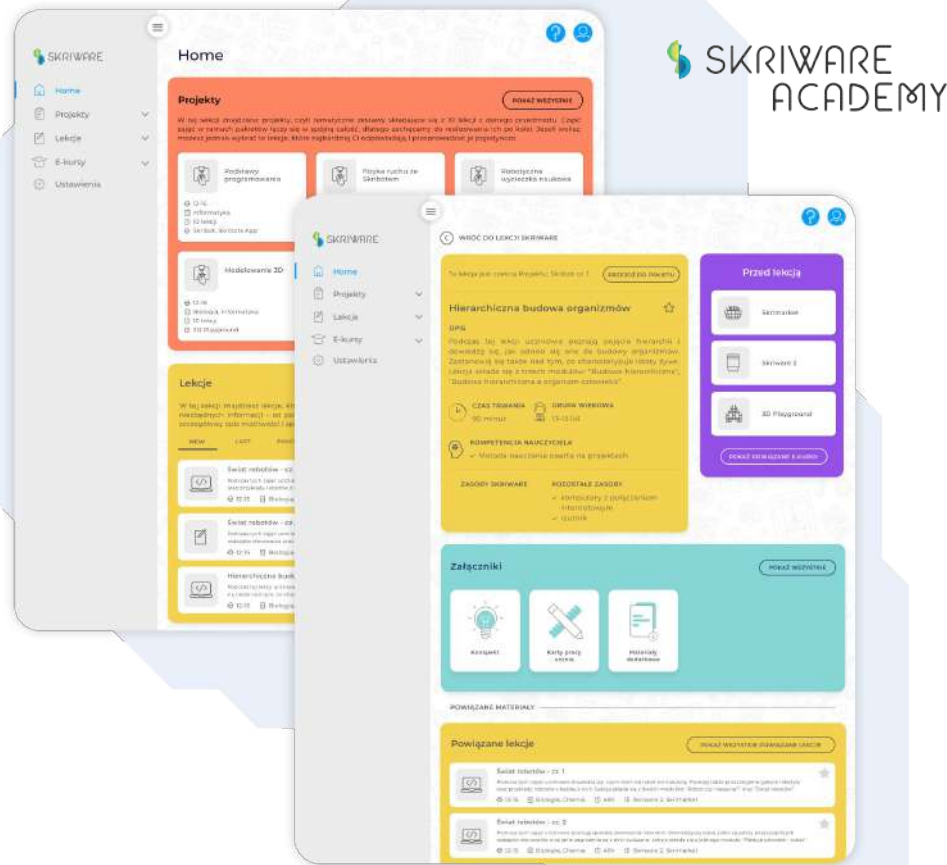
Find your lesson

The **technology** used in Skriware's products offers a plethora of possibilities, while also providing:

- **intriguing** lessons,
- **increased** student engagement,
- **Opportunities** to increase their knowledge and skills in accordance with the STEAM methodology.

BUT: new technologies are just tools!

The effectiveness of these methods is dependent on the way that the lessons are conducted. Which is why we have created an intuitive platform for teachers, **Skriware Academy**. Here, teachers will find dozens of lessons plans and ideas for use with our equipment.



Step 2:

Lessons with Skriware Academy

In our database you will find 80 lessons plans that use a variety of tools and that cover a wide range of topics for 8 subjects.

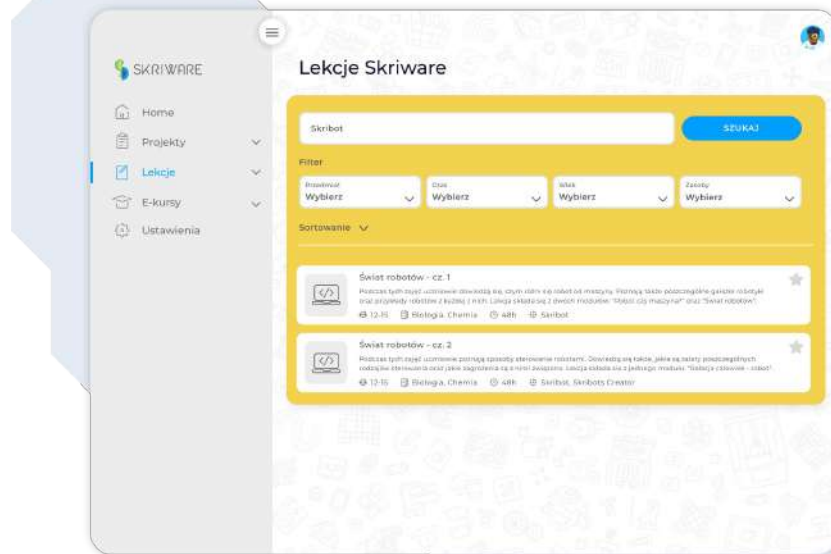
How can I find a lesson for myself?

We have solved this query by providing you with a convenient search engine with the following filters:

- The subject that you teach,
- The Skriware tool that you want to use,
- The Age group,
- The duration of the lesson,

You will find a lesson that meets your needs!

We are well aware that teachers often enough require additional information - which is why we have included a lesson description that will provide all the necessary answers.



IT

MATHEMATICS

TECHNOLOGY

PHYSICS

CHEMISTRY

BIOLOGY

GEOGRAPHY

EARLY SCHOOL EDUCATION

Step 3:

Prepare for your lesson

Getting started with a new tool is always stressful. "I attended the training and I think I remember everything. But will I be able to cope with thirty students in my class?" - a question that undoubtedly pops into a teachers head as they start working with new teaching aids.

Skriware Academy offers an extensive set of **e-learning** materials for teachers. These allow teachers to revisit any topics discussed during the training sessions, as well as widen their knowledge in the field of new technologies and how to use them in practice.

The image displays a collage of educational materials from Skriware Academy. At the top, there are three overlapping course cards:

- Które modele mogą wyedytować w 3D Playground?** (Which models can be edited in 3D Playground?)
- Poznaj Skribota** (Get to know Skribota), featuring a robot and the text: "Skribot to zestaw pozwalający na samodzielne stworzenie robota krok po kroku oraz naukę programowania na różnych poziomach".
- Druk 3D: JAK TO DZIAŁA?** (3D Printing: How does it work?), with sub-sections for **FILAMENT "TONER" Drukarki**, **DRUKARKA SKRWARE 2**, and **KONTO NA SKRIMARKET**.

Below these is a screenshot of the Skriware Academy mobile application interface. The app features a sidebar menu with options: Home, Projekty, Lekcje, E-kursy, and Ustawienia. The main content area shows a featured course titled "Hierarchiczna budowa organizmów" (Hierarchical structure of organisms) and a section for "E-kursy kategorie" (E-course categories) with buttons for Skribot, Skriware 2, Skribots Creator, Skrimarket, Skribots App, and Playground.

At the bottom, there is a snippet of text in Polish: "Na górnjej belce programu znajduje się szereg zakładek, w tym zakładka 'Narzędzia'. Należy ją rozwinąć i odszukać na liście pozycję 'ArduBlock'." (On the top bar of the program, there is a series of tabs, including the 'Tools' tab. It should be expanded and searched for the 'ArduBlock' item on the list.)

Step 3:

E-courses at Skriware Academy

In our database you will find 20 extensive e-courses which cover the use and handling of each of Skriware's educational tools, including:

- Practical guide to our 3D Printer,
- 3D modeling,
- Engineering basics with our construction kit,
- Basics of electronics with our electronics set,
- Programming in three languages: visual, C++, micropython,
- Virtual engineering.

As an additional convenience we have added a **recommended e-course** section that can be accessed from the lesson - to help freshen up the required knowledge to conduct the selected lesson.

Creator

Wzrostła reaktywność i świadomość konsumentów. Prezentuje wirtualne i fizyczne środowiska, zestaw narzędziowy skriware.

Projektujemy rozwiązania edukacyjne: rozwijające wyjątki obszary zdolności dziecka. Dostarczamy także ogromny obszar **nowe kompetencje XXI wieku**. W naszym frameworku edukacyjnym tworzymy je jako jasną wyjątki dla indywidualnego i społecznego rozwoju dziecka oraz przygotowania uczniów do realnych funkcjonowania na przyszłym rynku pracy.

Dashboard użytkownika

Do zagłębienia zestawisz prościej: do **widoku swojego konta**. Z tego poziomu będziesz mieć **dość do wszystkich funkcjonalności** platformy, jak również **aktualnych projektów**.

W ten sposób zwiększamy efektywność i poprawiamy na najwyższym poziomie różnorodność projektów: możliwość do zrealizacji na platformie, w zależności od wybranych parametrów, w **sekcji główny**.

Menu wyświetlacza

Z poziomu menu wyświetlacza zapoznasz się z informacjami dotyczącymi stanu Twojej drukarki oraz dokonasz wszystkich czynności niezbędnych do jej obsługi. Znajdziesz w nim:

- przycisk **Settings** - przeros do **menu ustawień** urządzenia,
- przycisk **Change** - otwiera okienko przeprowadzające przez **proces zmiany filamentu** w drukarce,
- przycisk **Browse modele** - przeros do sekcji umożliwiającej **wybrór modelu 3D do wydruku** (z bazy modeli skriware) oraz modeli obciążonych na koncie użytkownika na platformie),
- sekcja z informacjami dotyczącymi **aktualnej temperatury** poszczególnych elementów drukarki,
- sekcja z informacjami dotyczącymi **filamentów** składowanych w komorach drukarki.

STEAM

3D PRINTING

3D MODELING

SLICING

ELECTRONICS

PROGRAMMING

ROBOTICS

ENGINEERING

LESSONS WITH SKRIWARE'S EDUCATIONAL TOOLS

Step 4:

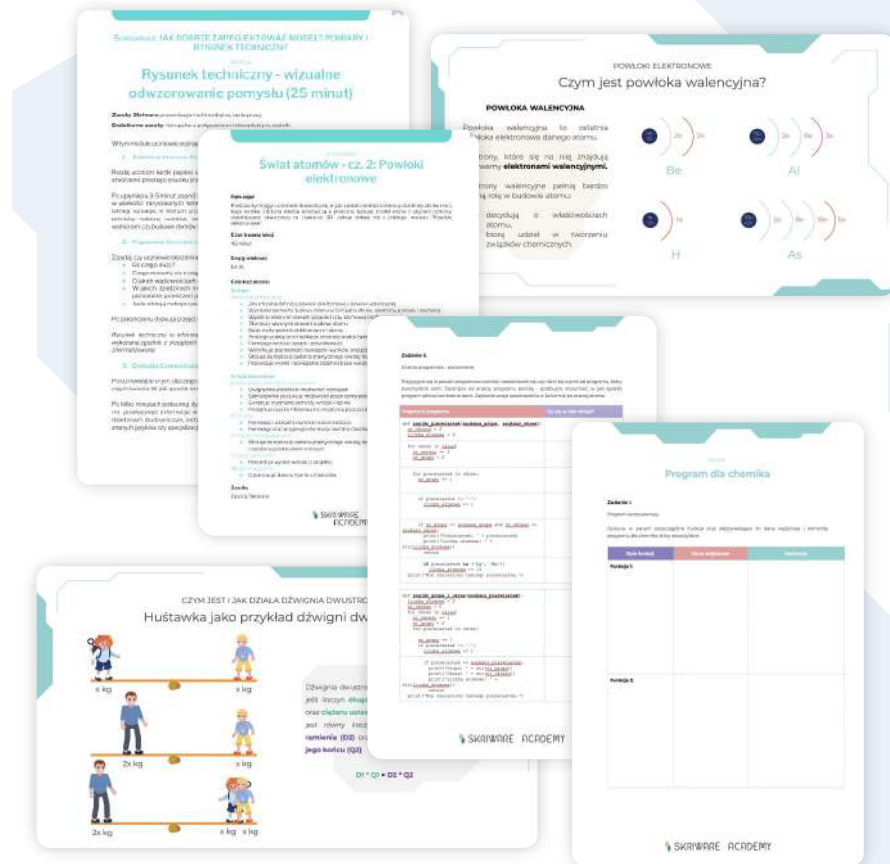
Utilize our educational materials

Education that involves all of our senses makes it a lot easier for our students to absorb all the knowledge. Intriguing lessons also help facilitate the work of a teacher - engaged students are more focused and will work more efficiently throughout the lesson.

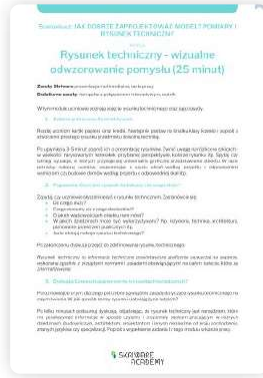
With the sheer volume of duties that are bestowed upon them, teachers will find it difficult to prepare additional class materials. Because we want to help **Skriware Academy** is filled with a rich set of materials:

- Lesson plan,
- Multimedia presentation,
- Worksheets,
- Outline.

Additionally, selected lessons will also have instructions or 3D models in the form of STL or GCODE files.



Step 4: Educational Materials at Skriware Academy



LESSON PLANS AND OUTLINES

Lesson plans are detailed instructions for teachers on how to conduct the lesson, it's activities and tips. Outlines are materials that provide a brief overlay of the lesson. Including information such as: the description, the objectives and the necessary resources required for the lesson.

PRESENTATIONS

Multimedia presentations help in conveying educational content and grabbing the students' attention. They include, colorful graphics that introduce students to the topic, video materials, discussion of some practical tasks and, questions prompting class discussions.

WORKSHEETS

Worksheets contain activities for the students that are related to the covered material, a place for notes and the most important concepts discussed during the lesson. In them you will find: mind maps, tables, tasks, a space for sketches and crosswords.

Step 5:

Conduct an engaging lesson

SkriLab's magic starts in the classroom, where, using modern technologies and tools students can discover the secrets of science.

Classrooms filled with teaching aids, educational robots transferring the theoretical into the physical, development of manual skills, increased focus of young kinesthetics, and above all, a passion for learning and involving students in the process. This is how education of tomorrow looks today.



SKRIBOT

3D SKRINTER

SKRIKIT

MATS AND CARDS

SKRIMARKET

CREATOR

PLAYGROUND

SKRIBOTS APP

C++

MICROPYTHON

ARDUBLOCK

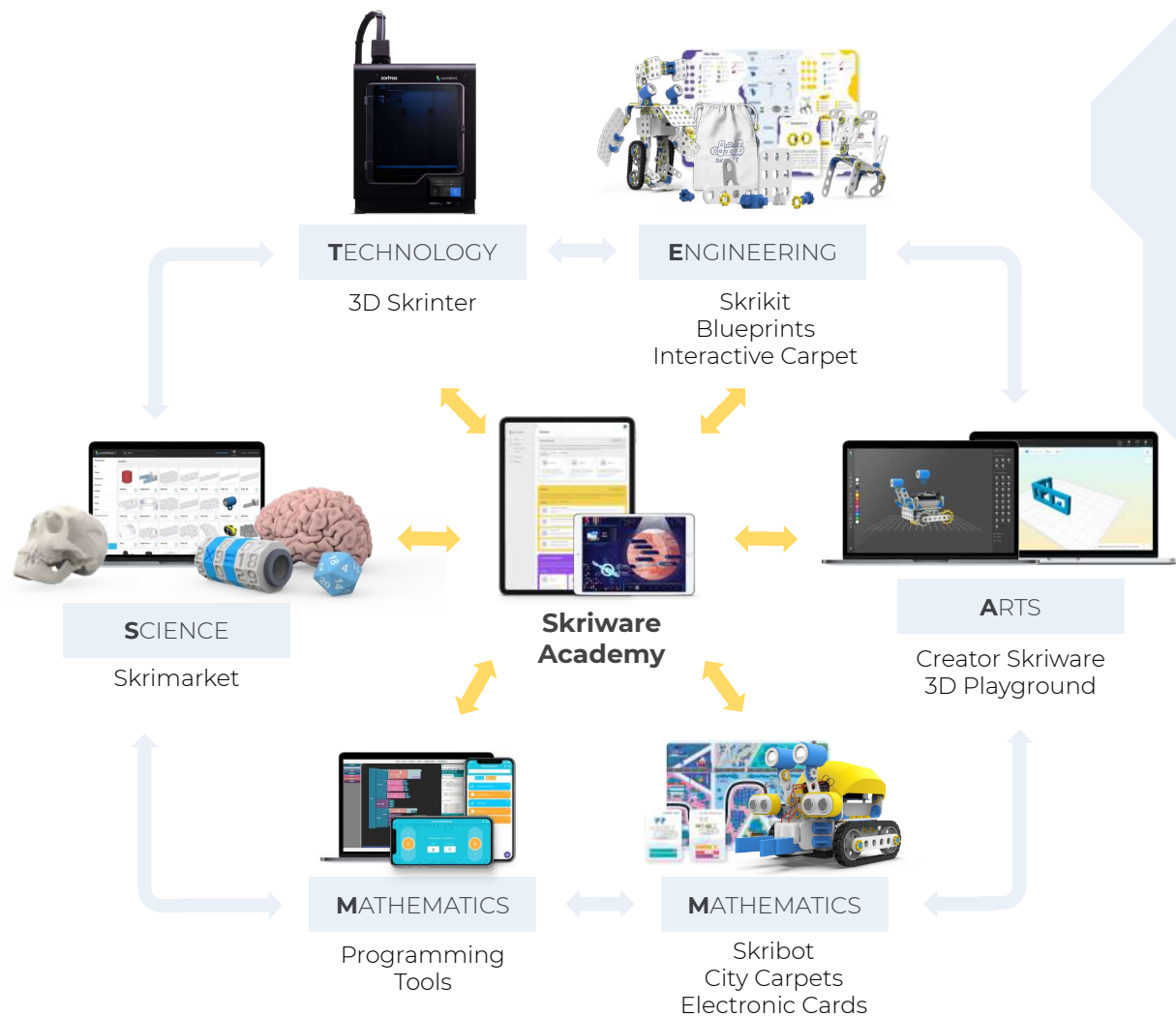
Step 5:

Skriware's Educational Tools

SkriLab allows for comprehensive education in the spirit of STEAM (Science, Technology, Engineering, Arts, Mathematics).

Each of our tools is a separate product that corresponds to a specific educational goal, while at the same time supporting the operation of another tool, this allows them to be used for more than just one goal.

When combined, the components of Skriware's SkriLab provide a diverse range of uses in school activities.



Skriware educational tools: 3D printing and modeling



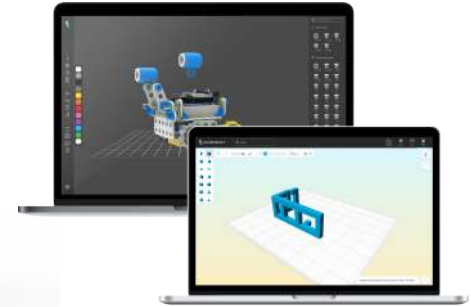
3D PRINTER

An intuitive 3D printer based on Zortrax M200 Plus. With a wide range of advanced possibilities, it provides access to our model database directly from the display.



DATABASE OF 3D MODELS

An online library of thousands of ready to print 3D models. Quickly find teaching aids for your subject, and due to the integration with our printer you can instantly start the printing process.



3D MODELING TOOLS

3D Playground is an easy-to-use online 3D modeling tool that uses basic geometric elements.

Creator Skriware is a virtual prototyping tool that will allow you to create a model using Skriware's construction elements.

Skrinter 3D Printer

- Equip your school laboratory with teaching aids.
- Enclosed housing and a safety-door guarantee the safety of children.
- Access the model database directly from the display.
- Ease of printing - print your own or selected one from thousand ready-made 3D models.
- Intuitive operation with a user-friendly interface.
- Preview your print status.
- Ability to pause and resume printing.
- Print using two filaments simultaneously.



Mathematics

Physics

Technology

IT

Chemistry

Biology

Geography

Early Childhood Education

Skrimarket

- A wide selection of educational models for a variety of subjects.
- Ability to print the model directly from the user's account.
- Integrated slicer that prepares the models for printing.
- Intuitive user interface.
- Integration with the 3D printers allows you to track the printing process remotely.
- Ability to upload 3D models from other databases and/or those created in other external tools.



Mathematics

Physics

Technology

IT

Chemistry

Biology

Geography

Early Childhood Education

CAD Tools: 3D Playground i Creator



3D Playground:

- The perfect tool for people who are taking their first steps in 3D modeling.
- Intuitive interface with a focus on ease-of-use for both teachers and students.
- Ability to print created models with a single click.
- Learning how to use the tools takes just a few minutes.
- Develops spatial imagination and allows you to understand the properties of geometrical shapes.



Creator:

- Perfect tool for those starting out with robotics and 3D modeling.
- Ability to independently experiment and expand the Skriware Engineering Kit.
- Intuitive interface with a focus on ease-of-use for both teachers and students.
- Ease of printing elements needed to create a physical robot on one platform.
- Develop creativity and technical skills with a single tool.

Technic

Computer Science

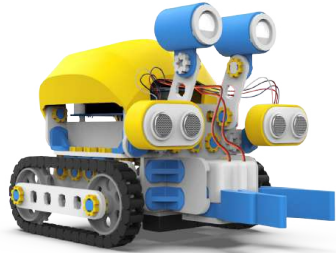
Robotics

Mathematic

Early stage education

Physics

Skriware educational tools: engineering and robotics



EDUCATIONAL ROBOT

A set that allows you to create a robot, using a step-by-step process. When finished you can use it to learn programming at various levels.



SKRIKIT SET

The set consists of over 270 elements that can be used to create dozens of independent structures. Additionally, it can also be used in combination with a Skribot to expand its features.



PROGRAMMING TOOLS

Programming tools enable the development of knowledge and skills at various levels of advancement - from programming in a visual language to text languages (C++ and micropython). We offer desktop tools and a mobile application, thanks to which the robots can be used regardless of the school's infrastructure.



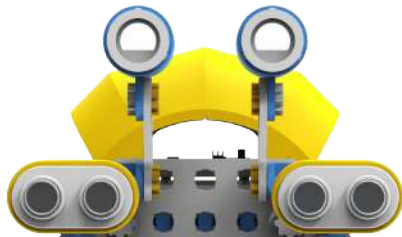
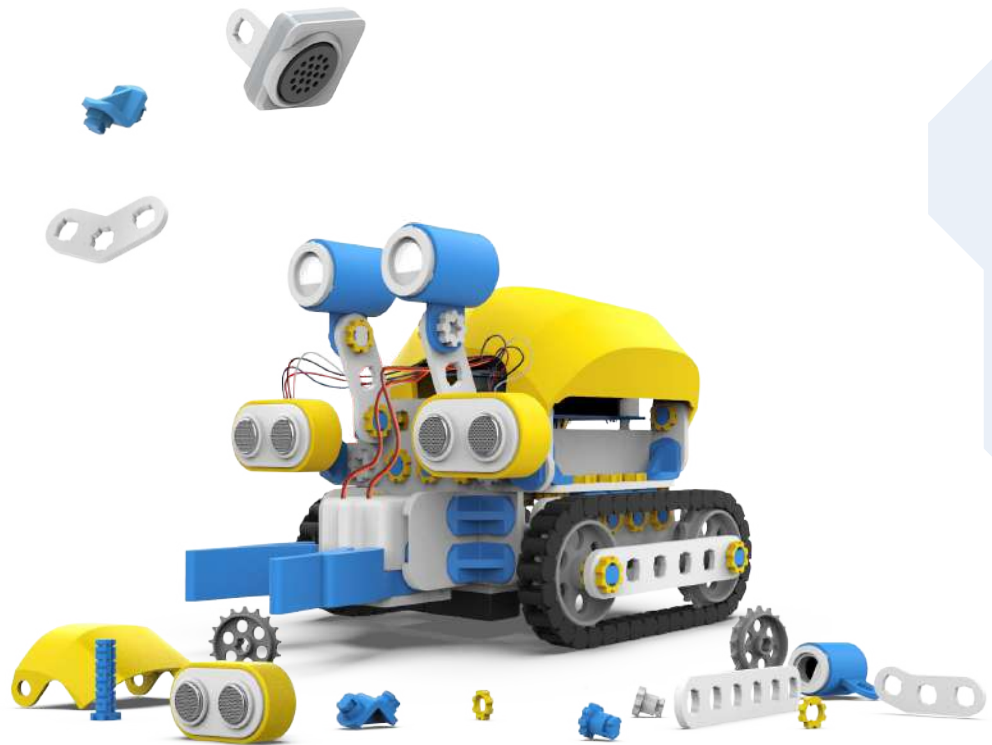
EDUCATIONAL MATS AND SHEETS

A set of materials that helps facilitate and make Skribot and Skrikit classes more engaging and attractive. Includes:

- 2 types of educational mats
- 2 types of educational sheets

Skribot

- Holistic approach to the development of practical skills and understanding of the operation of modern technologies.
- Learning engineering, technology, electronics and programming in practice.
- Ability to expand the Skribot set through 3D printing of additional elements.
- Practicing precision and concentration with a focus on manual skills during the robot assembly.
- Ability to use in a variety of school subjects.
- Ability to create other mechanical constructs.



Mathematics

Physics

Technic

Geography

Early Childhood Education

Skrikit





- Holistic development of practical skills and an understanding of the basics of engineering and construction.
- Ability to assemble dozens of buildings, pets, and other constructions.
- Ability to create new robotic teaching aids by combining Skriobot and Skrikit elements.
- A multi-sensory learning process by students that strengthens commitment and makes classroom activities more attractive.
- Creative Development



Mathematics	Physics	Technic
Geography	Early stage education	

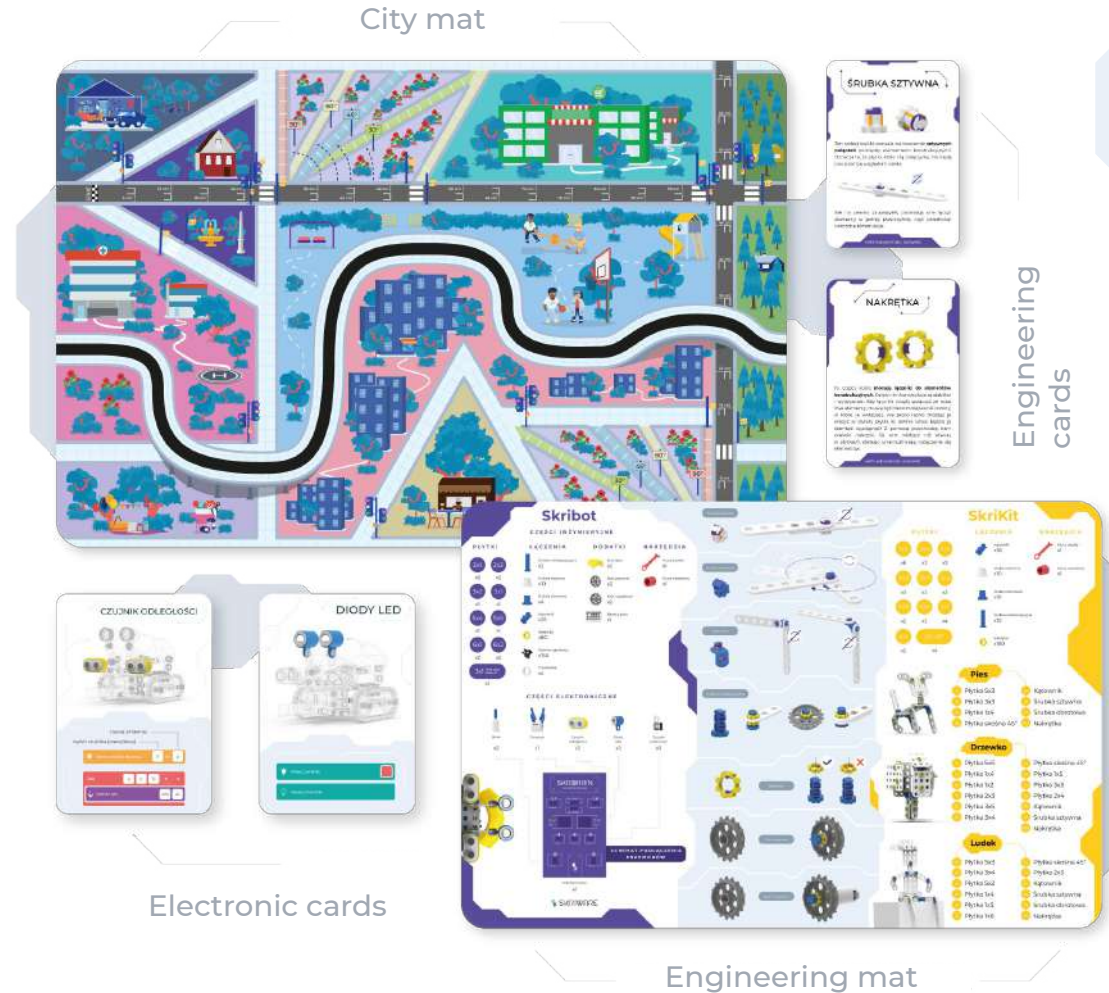
Programming Tools

- Ideal tool for people who are taking their first steps in learning robotics and programming, as well as for advanced users.
- Ability to program in many languages - from block coding to C ++.
- Ability to program on various devices - computers, laptops and mobile devices.

	DEVICE / PLATFORM	LANGUAGE	AGE GROUP
	Mobile Devices	Visual	5-12
	Computers	Visual based on C++	5-15
	Computers	C++	13+
	Computers	Python	13+

Educational Mats and Sheets

- Making classroom activities more attractive.
- Introducing storytelling into the practice of school activities.
- Support for the teacher in carrying out lessons as described in Sksiware Academy.
- Strengthening the involvement of students by introducing elements of games and playing into the process of acquiring knowledge.



Electronic cards

Engineering mat

Engineering cards

SkriLab: the magic connection

Working with individual Skriware tools is just the beginning! By connecting elements of the SkriLab set, you can endlessly expand the range of product applications during school activities.



Skriware 2 + 3D Playground lub Tinkercad

POZNAWAJ PODSTAWY MODELOWANIA 3D, ROZWIJAJ WYOBRAŹNIĘ PRZESTRZENNĄ ORAZ KREATYWNOŚĆ I DRUKUJ EFEKTY SWOICH PRAC ZA POMOCĄ JEDNEGO KLIKNIĘCIA. POSZERZAJ WIEDZĘ PRZY UŻYCIU DODATKOWYCH DARMOWYCH NARZĘDZI



We invite you to connect with our Sales and Customer Success Team

**Malgorzata
Krzyszowska**
Export Manager

m: +48 665140170

@:

malgorzata.krzyszowska@skriware.com



www.skriware.com