pib @school

pib, the humanoid robot, is now coming to your school!

www.pib.rocks/school

The learning platform for **robotics**, **3D printing** and **artificial intelligence**.

pib inspires our students and teachers alike. A great addition for our school to experience future technologies."

Carsten Böckl
Headmaster Hans-Sachs-Gymnasium Nuremberg

As a participant in the elective pib I gained unbelievable experiences. The building and coding of the robot were really fascinating. It was a unique experience to see him get alive."
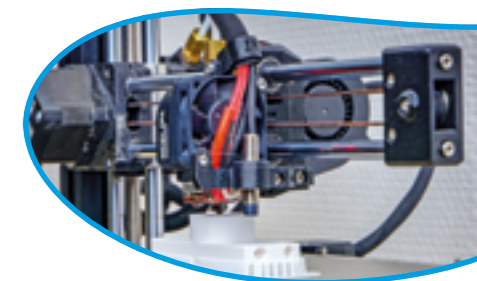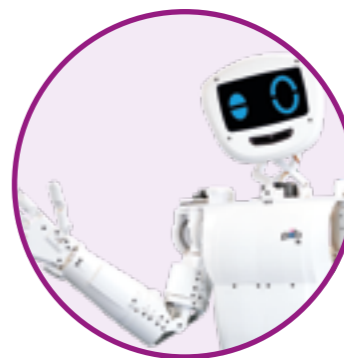
Jakob
student in 9th grade

www.pib.rocks/school

What is pib@school?

pib stands for **printable intelligent bot** and is a humanoid robot from the 3D printer that anyone can build themselves.

pib@school offers schools the chance to **build** and **operate** their own version of the humanoid robot pib – and even make it **smart**! The teachers are supported personally and receive a guideline.

With pib, students can gain practical and first-hand experience of the future topics of **robotics**, **3D printing** and **artificial intelligence** and become sustainably enthusiastic about STEM professions. The initiative supports the educational goal to prepare young people for a digital future.

How does pib@school work?

pib@school follows a **modular approach** and can be seperated into different **work packages and topics**. **Interdisciplinary contents from school subjects like informatics, physics, biology and even ethics** are combined and implemented practically.

Age recommendation
Suitable from 8th grade.

Examples of use
· Elective
· P-/W-seminars
· Project days or weeks

Required material
· pib.Box
· 3D-printer + filament
· Internet access
· Basic tool equipment
  (screwdriver, file, hammer)
· Power connection
· Guideline

pib@schools offers numerous possibilities!

VISION

| Own version of pib, controlled with software | A pib hand with motion control implementation | pib as communication partner | or ... |

STEPS

Installation of pib software

Implementation of motion control

Usage of APIs (e.g. ChatGPT)

Assembly parts and electronics

3D printing of components needed

Individualisation of CAD model *optional*

Download of CAD model

*What is our **vision**?*
*What do we want to **achieve**?*
*How should our **result** look like?*

Why pib@school?

- Contemporary learning of robotics, AI and 3D printing
- Practical and exciting knowledge transfer
- Get to know realistic fields of work and processes
- Creating STEM enthusiasm
- Digital media education
- Reference project for image and advertising
- Interdisciplinary learning of different teaching contents
- Become part of an open source project
- Soft skills training

Service packages for pib@school!

pib.Box

pib.Box

1763.87 € *

A complete kit with all electronic, metal and motor components needed to build pib.

pib.School

pib.Box

2800 € *

+ 100h print support
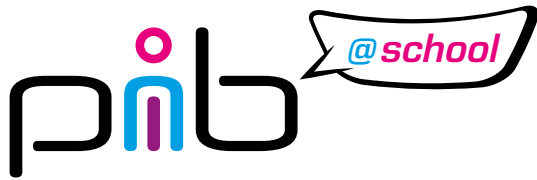+ 5h individual support
+ Guide
+ 5 tool pins
+ Overview

pib.KnowHow

Trainings for teachers

On request

in the areas of:
- 3D printing
- CAD
- KI
- Machine Learning

*net price plus VAT

pib @school

Are you interested?

If you want to find out more,
just contact us.

team@pib.rocks
Send us an e-mail.

discord.com/invite/GRdpyeDu7P
Join us on Discord.

+49 911 21 77 38 70
isento GmbH
Ostendstraße 242, 90482 Nuremberg,
Germany