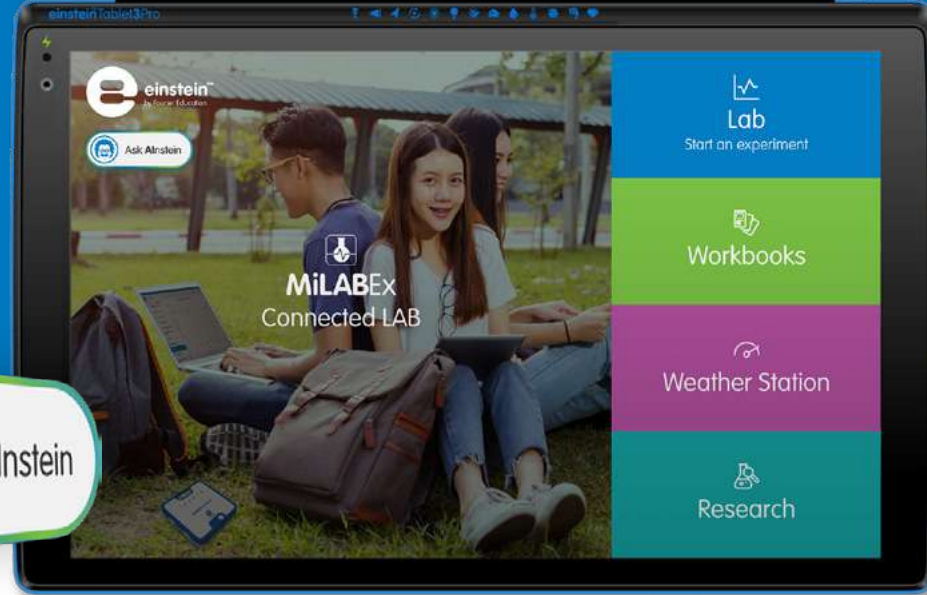
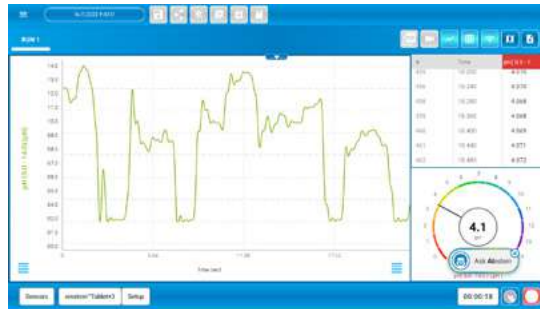
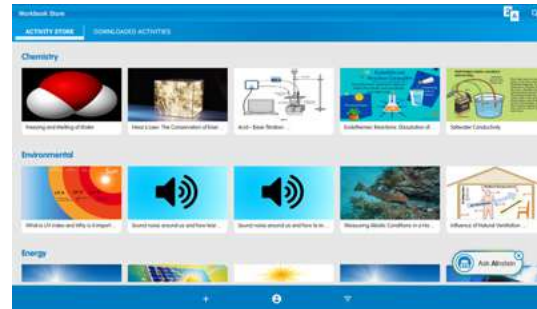




Get to Know the MiLABEx Software



Lab
Conducting science activities



Workbooks
Create and share experiments



Weather Station
Monitoring climate parameters

The Research interface displays a form for entering research details, including School Name, Class, Student/Group Name, Research Title, and a section for the Hypothesis.

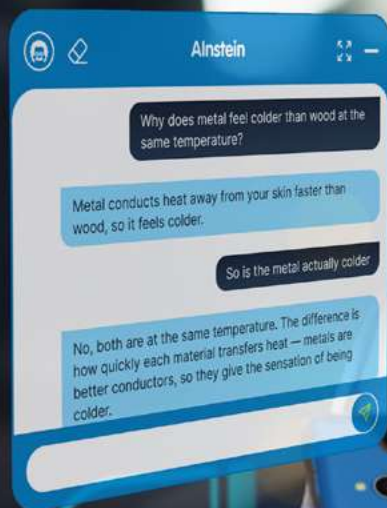


Research
Build a research

Ask Einstein - now live in MiLABEx

Ask Einstein™ is an integrated AI assistant within the MiLABEx software, designed to support teachers and students during hands-on science investigations.

It provides instant answers to questions about experiment setup, sensor usage, data interpretation, and core scientific principles - directly within the working environment.





The Lab Sub-app - start an experiment

The Lab sub-app is designed for conducting a vast range of experiments that suit curricula topics. Plan your experiment, define sensor settings and experiment parameters, run the experiment, analyze data collection, and share it with the teacher and colleagues.



Online/Offline capabilities



Connect several sensors in parallel for multiple experiments



High sampling rate, long experiment duration



Variety of visual display options



Multiple data presentations



User-friendly interface for teachers and students



Advanced data exploration



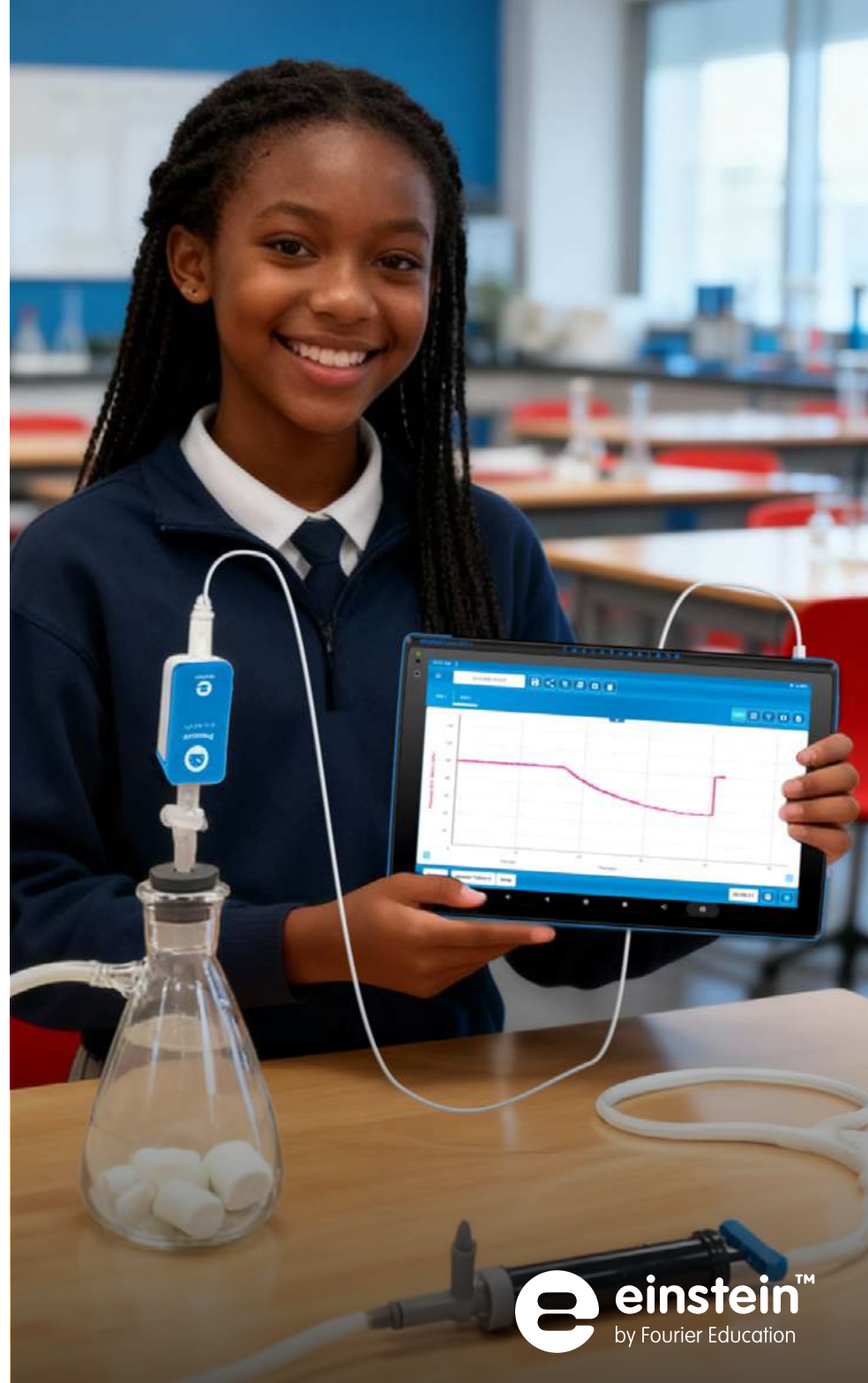
Prediction tool hypothesis Vs reality



Split Screen View multiple screen



Share to Compare experiment results with the teacher & classmates



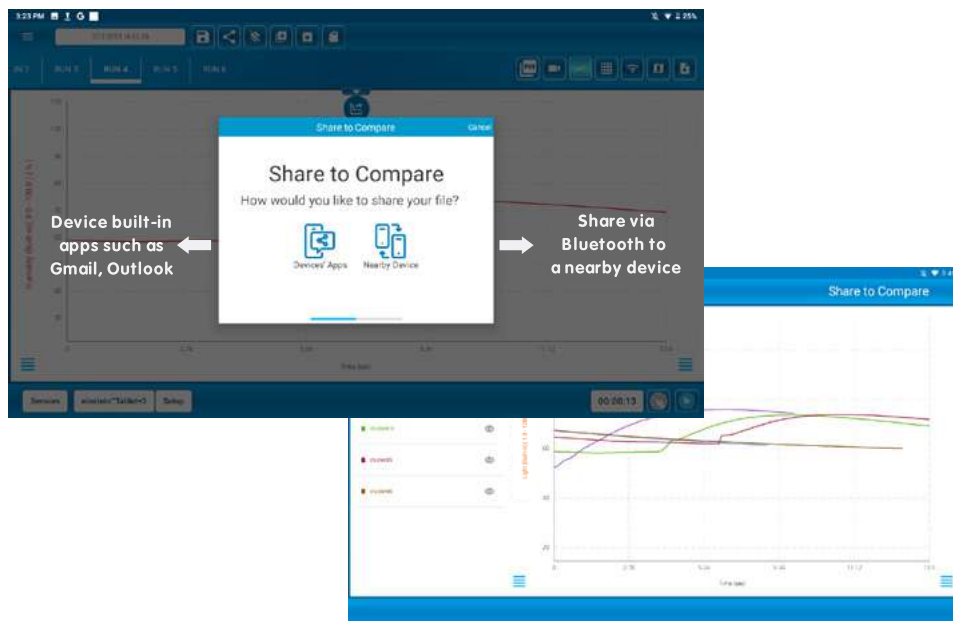
The Lab Features

Share To Compare

This feature enables teachers to view and analyze experiment results of multiple experiments conducted and shared by different students or workgroups.

Each student or workgroup performs an experiment with one of the **einstein™** data loggers, an einstein sensor, in the Lab sub-app.

Students tap Share To Compare and send their experiment to the teacher via Bluetooth or email. Once the teacher opens the file, it is automatically added to the list of all student experiments, ready for comparison and analysis.



Split Screen

Choose any of the three experiment review modes by selecting the relevant icons in the top-right bar. This allows you to view the experiment in different modes side by side for clearer analysis and practice.



Option 1 Experiment Graph & Video Recording



Option 2 Experiment Graph & Content PDF



Option 3 Experiment Graph, Video Recording & Content PDF

Prediction Feature

This tool lets students compare their hypothesis with the actual results. It supports discussion, deepens understanding, and helps teachers assess students' grasp of the activity.





No need for login or sign up

The Workbooks sub-app

Download & Run experiments directly from the Workbook sub-app.

Users can download over 350 activities, free of charge, divided by curriculum topics and powered with AI-based capabilities. Each workbook comes with a PDF/video detailing the experiment setup and explanation, as well as a predefined experiment setup.



Translation to your local language **empowered by AI**

What language would you like to use?

German

Apply



Design your own experiment

Build and share your content and predefined experiment setup

1

Create and name the activity, description and category



2

Upload content-experiment PDF with detailed information on the activity



3

Define experiment setup- relevant sensors, sample rate, duration, etc



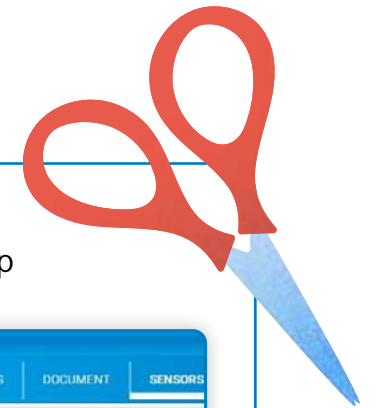
4

Optional- upload video for more explanations and examples



5

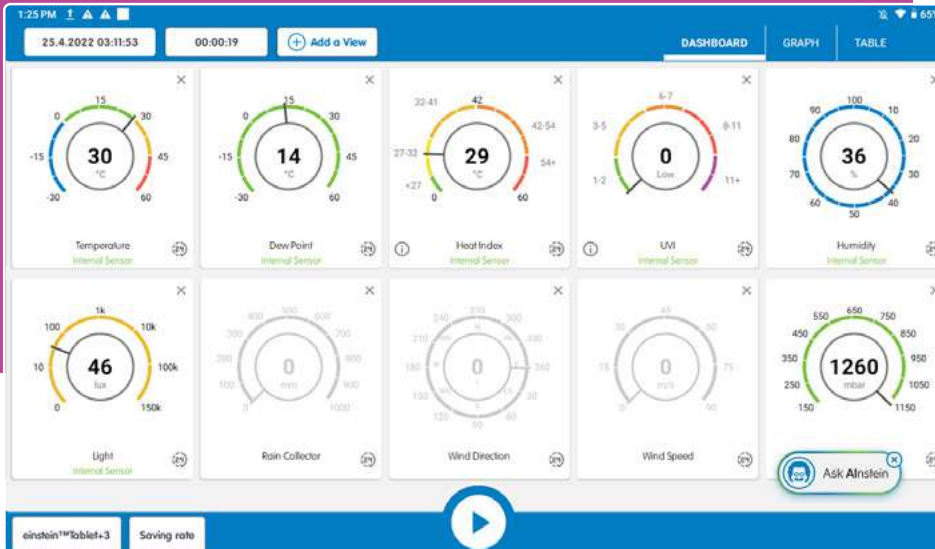
View, save and share with your colleagues and students





The Weather Station sub-app

This sub-app functions as a real-time weather monitoring dashboard, displaying an array of climate-related parameters such as temperature, humidity, barometric pressure, UVI, dew point, and heat index. The Weather Station enables immediate visualization of current weather conditions, facilitating a deeper understanding of climatology whether you're in a classroom setting or exploring the outdoors.



Alstein

Why does it feel hotter on a humid day than on a dry day?

Because when the air is humid, sweat evaporates more slowly, so your body can't cool down as efficiently.

So the temperature isn't actually higher?

Correct — the air temperature may be the same, but the heat index (how hot it feels) is higher because of the moisture in the air.

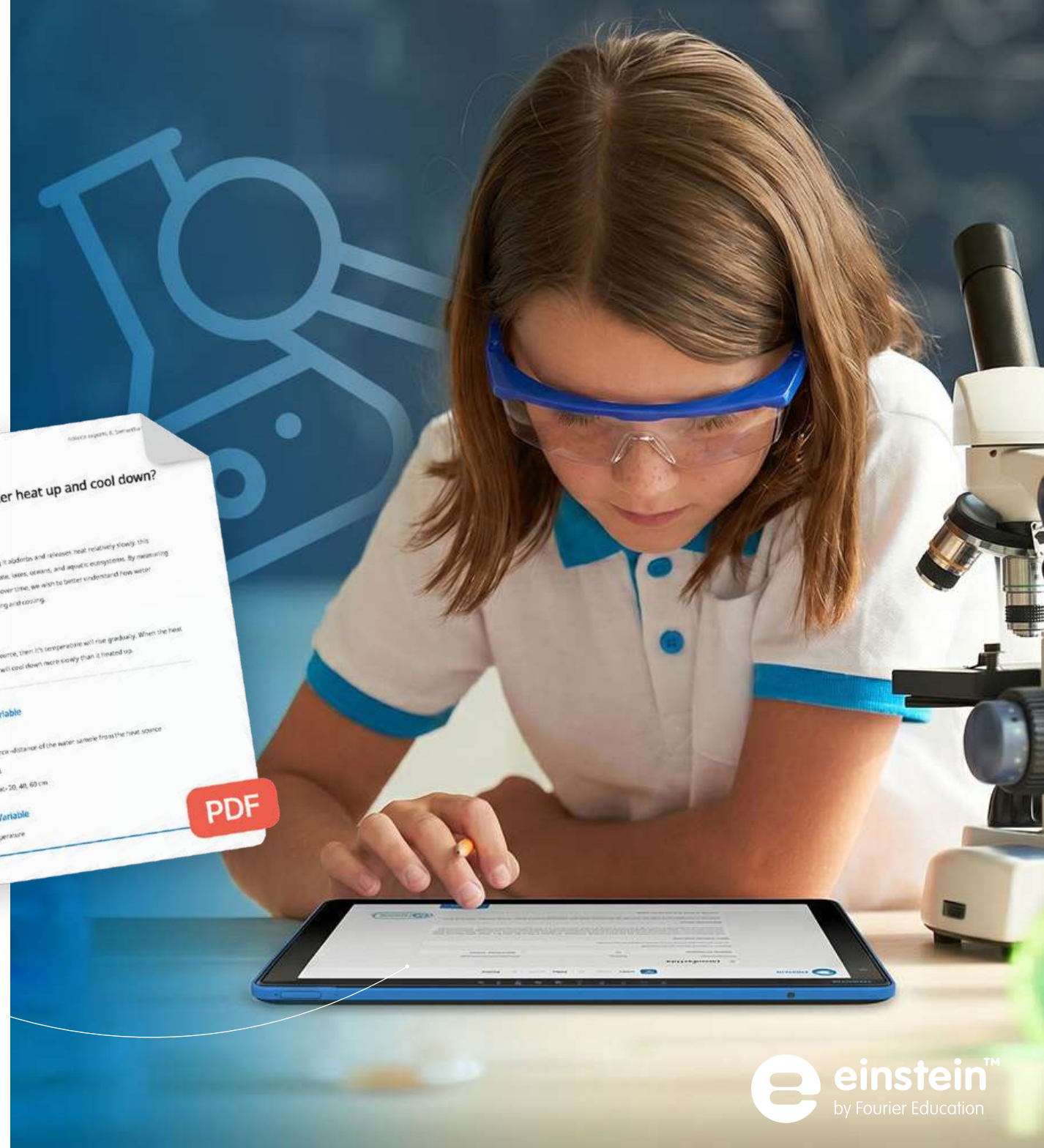




The Research sub-app

The Research sub-app guides students through the entire scientific research process within a single digital environment. From formulating the research question and hypothesis to planning the experiment, collecting real data using sensors, analyzing results, and automatically generating professional PDF reports, it fosters authentic, inquiry-based STEM learning. The integration of Ask Alnstein™ provides AI-driven guidance to develop critical thinking, scientific reasoning, and independent learning...

The screenshot shows the 'Introduction' step of the Einstein Research sub-app. It includes a progress bar at the top with 'Intro', 'Plan', and 'Setup' steps. The 'Introduction' section has a back arrow and a title. Below the title are three input fields for 'School Name', 'Class', and 'Student/Group Name'. There are also three input fields for 'Research Title'. A section titled 'What is your research question?' has a text input field. Below that is a 'Scientific Background' section with a text input field. Then a 'Your Hypothesis' section with a text input field. At the bottom, there is a 'Name your research' section with a text input field. An 'Ask Alnstein' button is located at the bottom right of the interface.





Teach Science!



Fourier Education
www.einsteinworld.com
info@fourieredu.com

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