



curricuLAB

Science experiments for digital education 3.0:
modern, time-saving, fit for the future and intuitive

Curriculum compliant | Editable content | Integrated datalogging



iOS

Physics **Phy**

Chemistry **Chem**

Biology **Bio**

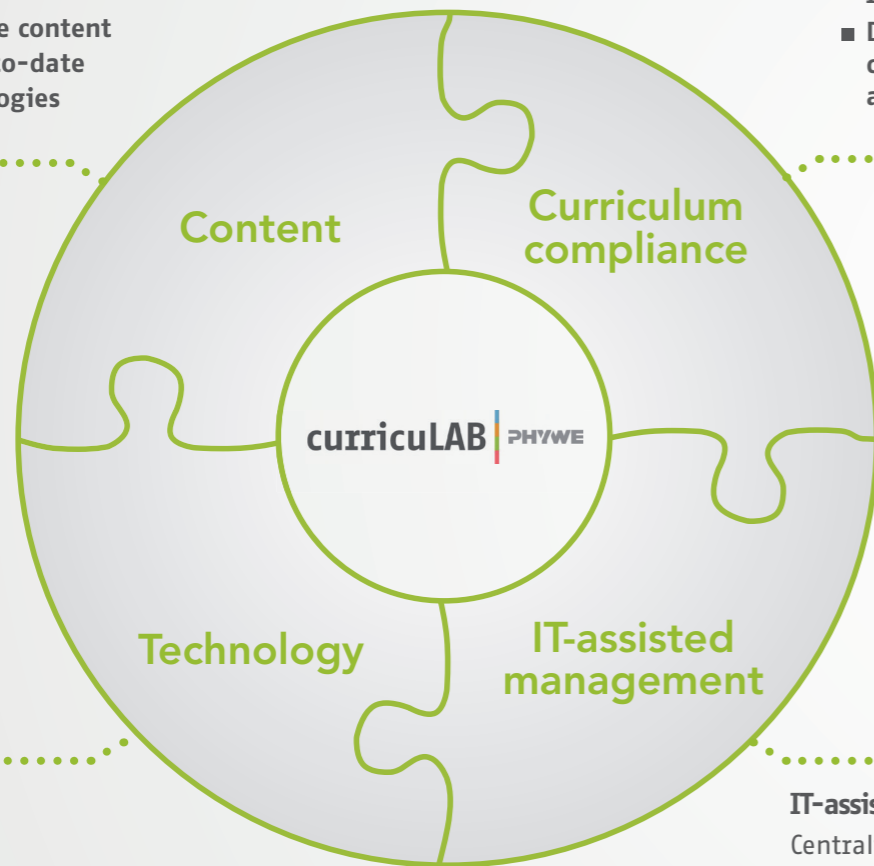
Applied Sciences **Sci**

Digital education 3.0 with curricuLAB – the new management and experimentation platform

Save up to 40% of your valuable time with curricuLAB when planning, preparing, and reviewing your science lessons. Use this extra time for effective lessons of the highest quality: interesting, captivating and conveying the joy of successful teaching and learning.

Content

- 3000 detailed experiment descriptions and high didactic value
- Editable, interactive content
- Integration of up-to-date teaching methodologies



Curriculum compliance

- High-quality lessons
- Didactic curriculum realization for better results
- Direct connection between curriculum, experiment and required equipment

Technology

Consistent use of:

- Internet
- Mobile devices
- Wireless datalogging
- Different types of operating systems
- Cobra4 datalogging-system



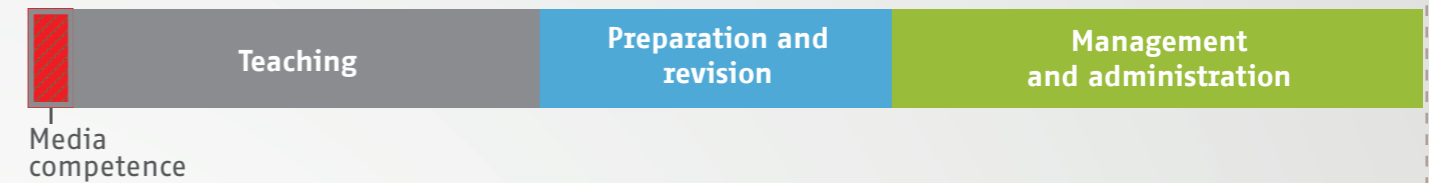
IT-assisted management

Centralized management experimentation platform for:

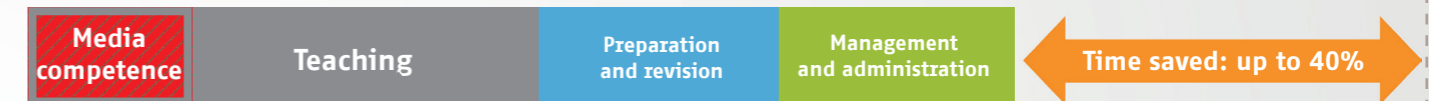
- Planning experiments
- Preparation and revision
- Optimised lessons
- Evaluation and assessment
- Saving and sharing all relevant data, results and information

CurricuLAB supports you with all your requirements in terms of management, didactic background, integration of digital media and teaching concepts.

Time required by a teacher without curricuLAB | PHYWE



Time required by a teacher with curricuLAB | PHYWE



Your benefits:

- Time-saving concept → higher quality, sustainability, better results and stronger motivation
- Easier and more efficient organisation and administration → lower stress level for the teachers and higher focus on the lessons
- Integration of tablets and smartphones in the lessons → better student motivation and enhanced media competence
- Fun in lessons → quicker achievement of objectives

curricuLAB assists you particularly in following fields:

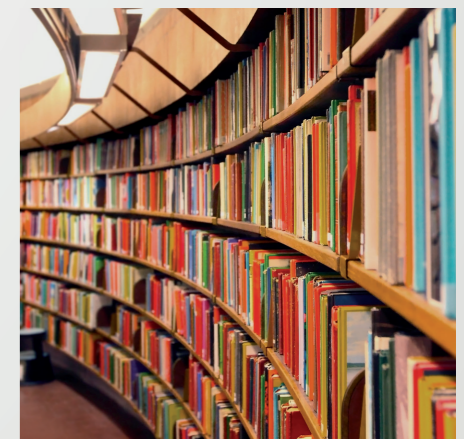
1 Teaching



2 Preparation and revision

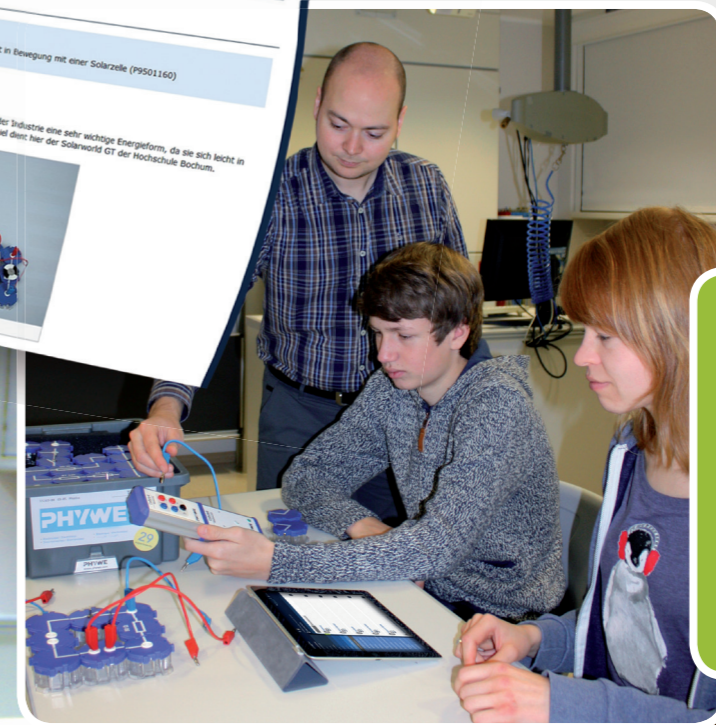


3 Knowledge management

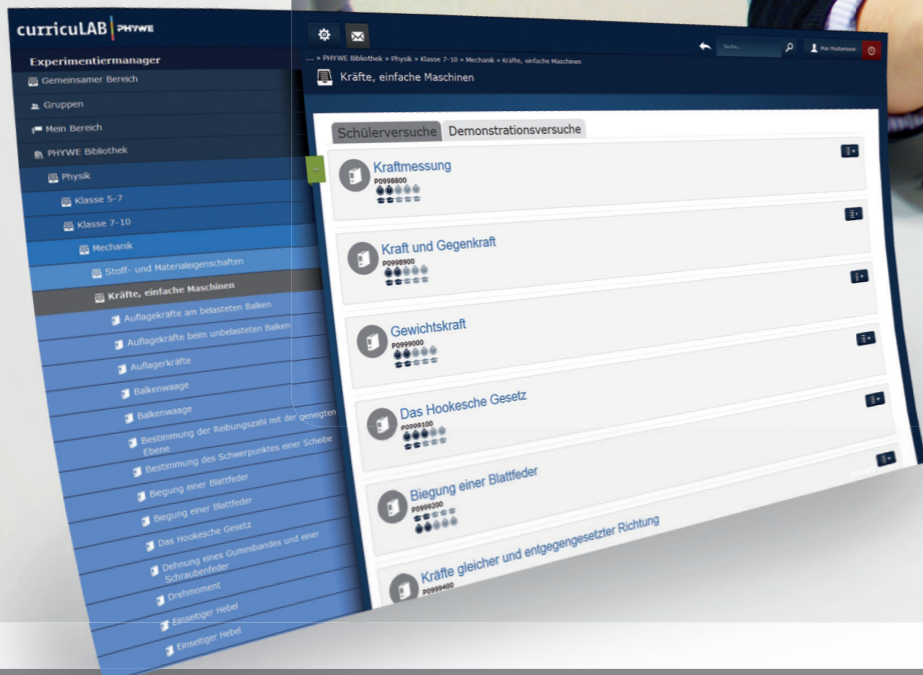
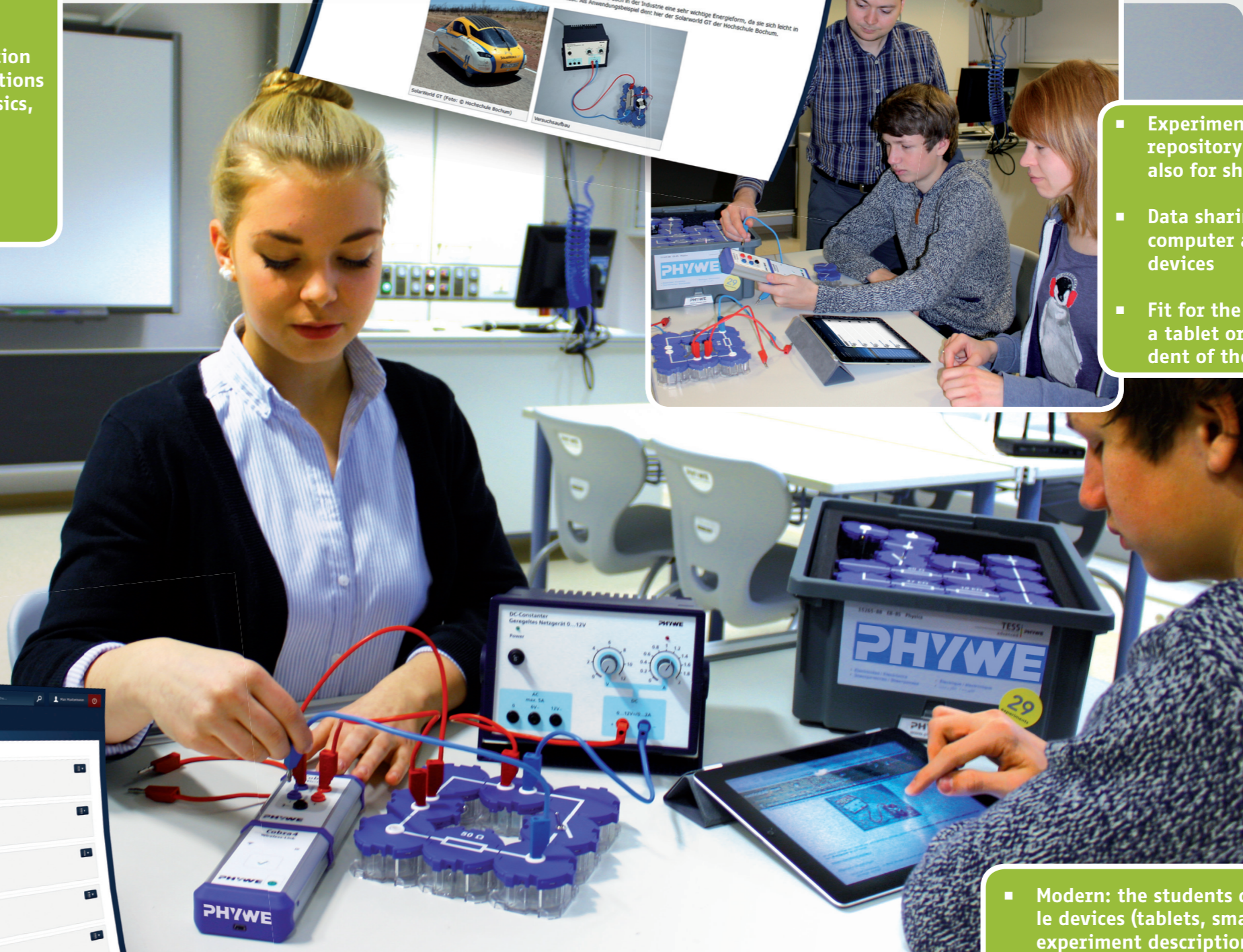


Digital education 3.0 with curriculaLAB – advantages and benefits

- The experiments can be edited as desired - create your own teaching content
- Curriculum compliant: selection and presentation of more than 3000 PHYWE experiment descriptions (for students and teachers) in the field of physics, chemistry, and biology
- Management platform: clear overview of all experiments that can be performed with your teaching material



- Experimentation platform: central repository of the teaching content, also for sharing with colleagues
- Data sharing between teacher computer and mobile student devices
- Fit for the future: datalogging with a tablet or smartphone - independent of the operating system



- Modern: the students can use their own mobile devices (tablets, smartphones) to view the experiment descriptions and to complete the experiment reports – no installation required
- Time-saving: inventory of teaching materials including operating instructions

curricuLAB-platform –

modular, adaptable and operating-system-independent



iOS

curricuLAB
LabManager | PHYWE

curricuLAB
ActivityManager | PHYWE

curricuLAB
DataManager | PHYWE

1 Teaching



2 Preparation and revision



3 Knowledge management



Management of the teaching material

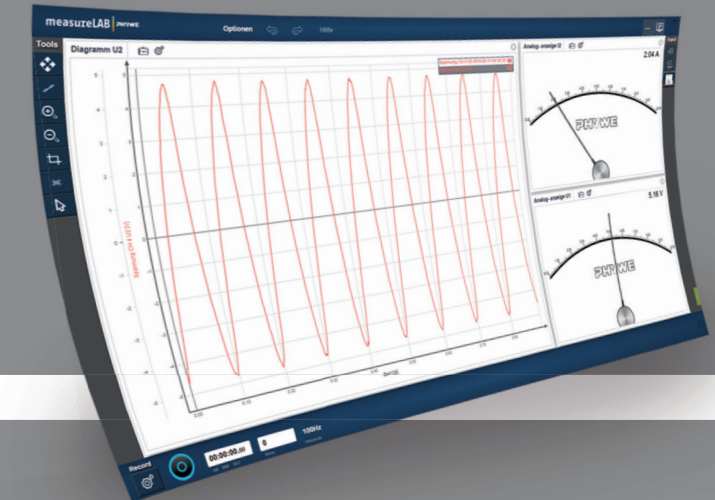
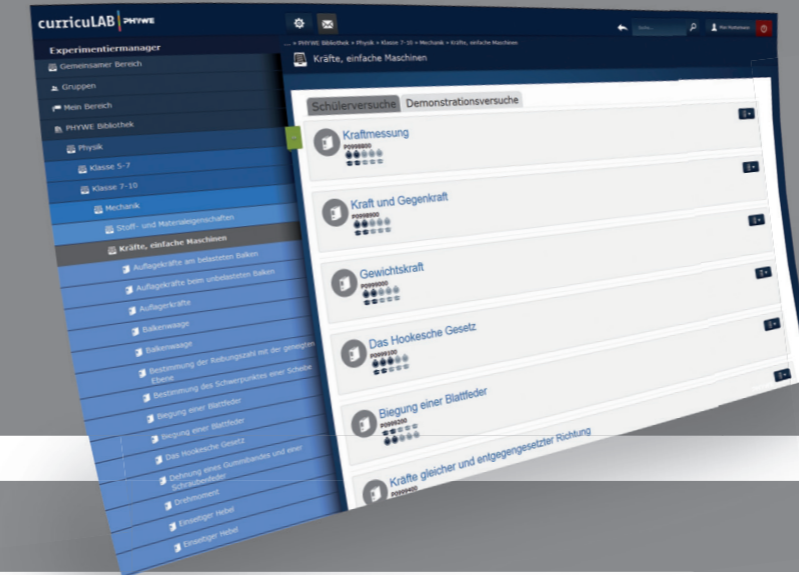
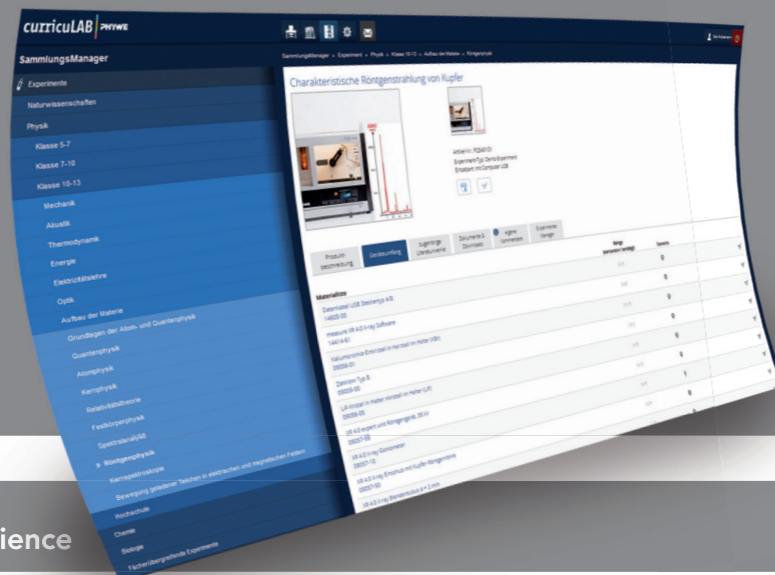
- Inventory of new and already existing equipment
- Curricula-compliant overview of more than 3000 PHYWE experiments, including all experiment descriptions as PDF
- Approximately 5000 items linked to suitable experiments - optimum use of your equipment
- All operating instructions for all PHYWE devices and experiments included
- Can be combined with the PHYWE allocation and inventory service

Experiments in a modern teaching environment



- Access to more than 3000 curricula-compliant experiments made by PHYWE with all related information
- Interactive instructions for student and demonstration experiments, prepared under didactic aspect
- All experiments can be edited and filled, combined and shared with own multimedia content (comments, documents, videos, pictures, etc.)
- Create teaching modules in groups and courses for your lessons and share them with your colleagues
- Use any type of device for planning your lessons, in particular laptops, tablets, smartphones and interactive boards

Datalogging integrated in the experiment

- The DataManager is the perfect tool for the operating-system-independent recording of measurement data during student and demonstration experiments
- The datalogging process is embedded in the experiment so that the measurement results can easily be transferred into the interactive experiment report
- Use any type of device, in particular tablets and smartphones, for datalogging using measureApp
- Automatic recognition of the Cobra4 measurement sensors
- Intuitive and touch-optimised user interface
- Data sharing between teacher computer and mobile student devices



curricuLAB – product overview

curricuLAB modules	Item number
curricuLAB LabManager	
■ curricuLAB LabManager (online) - school licence	14590-61
curricuLAB ActivityManager for physics, chemistry, and biology	
■ curricuLAB ActivityManager (local installation) - school licence	14570-61
■ curricuLAB ActivityManager (small server) - school licence	14570-62
curricuLAB DataManager	
■ curricuLAB DataManager measureLAB (online) - school licence	14580-61
■ curricuLAB DataManager measureApp  	for free in the AppStore
Service	
■ Allocation service	03333-05
■ Inventory service for already existing teaching material	03333-10
■ Installation and commissioning of experiments	03333-06

PHYWE	curricuLAB PHYWE LabManager	curricuLAB PHYWE ActivityManager	curricuLAB PHYWE DataManager
Technical data:	Operating system independent (MS Windows, Mac OS, Linux, iOS, Android) Device independent (desktop computer, laptop, tablet, smartphone) System requirements for the ActivityManager and DataManager measureLAB: Windows 7, Linux Ubuntu 12, Mac OS X System requirements for the app: Android 4.0, iOS 7.0, or higher		
Scope of Supply:	The LabManager is online. You will receive your log-in details.	Local installation: USB stick incl. instruction videos Small server: Preinstalled for the integration into the school network (incl. hardware)	measureLAB: USB stick, incl. instruction videos measureAPP: Download via the AppStore or Google Play Store
Licences:	Can be used on an unlimited number of computers.	Local installation: Can be installed on an unlimited number of school computers / every installation can be used for working in a network / up to 40 users on a network at the same time / unlimited number of user accounts Small server: Direct integration into the school network via Ethernet / unlimited number of installations / see local version	Can be used on an unlimited number of computers/devices.

Updates: curricuLAB is a dynamic system. The online information concerning the equipment, material and important experiments are always up to date thanks to regular updates. When purchasing curricuLAB, a one-time licence fee is incurred per module. This means there will be **no consequential costs** for the continuous data update.

Would you like a quotation based on your specific requirements? Please send your request to: curriculab@phywe.de

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