DEUTSCHE DIGITALE JUNIORUNI

THE EDUCATIONAL PROJECT FOR YOUNG PEOPLE

GOETHE INSTITUT

Sprache. Kultur. Deutschland.

THE PROJECT

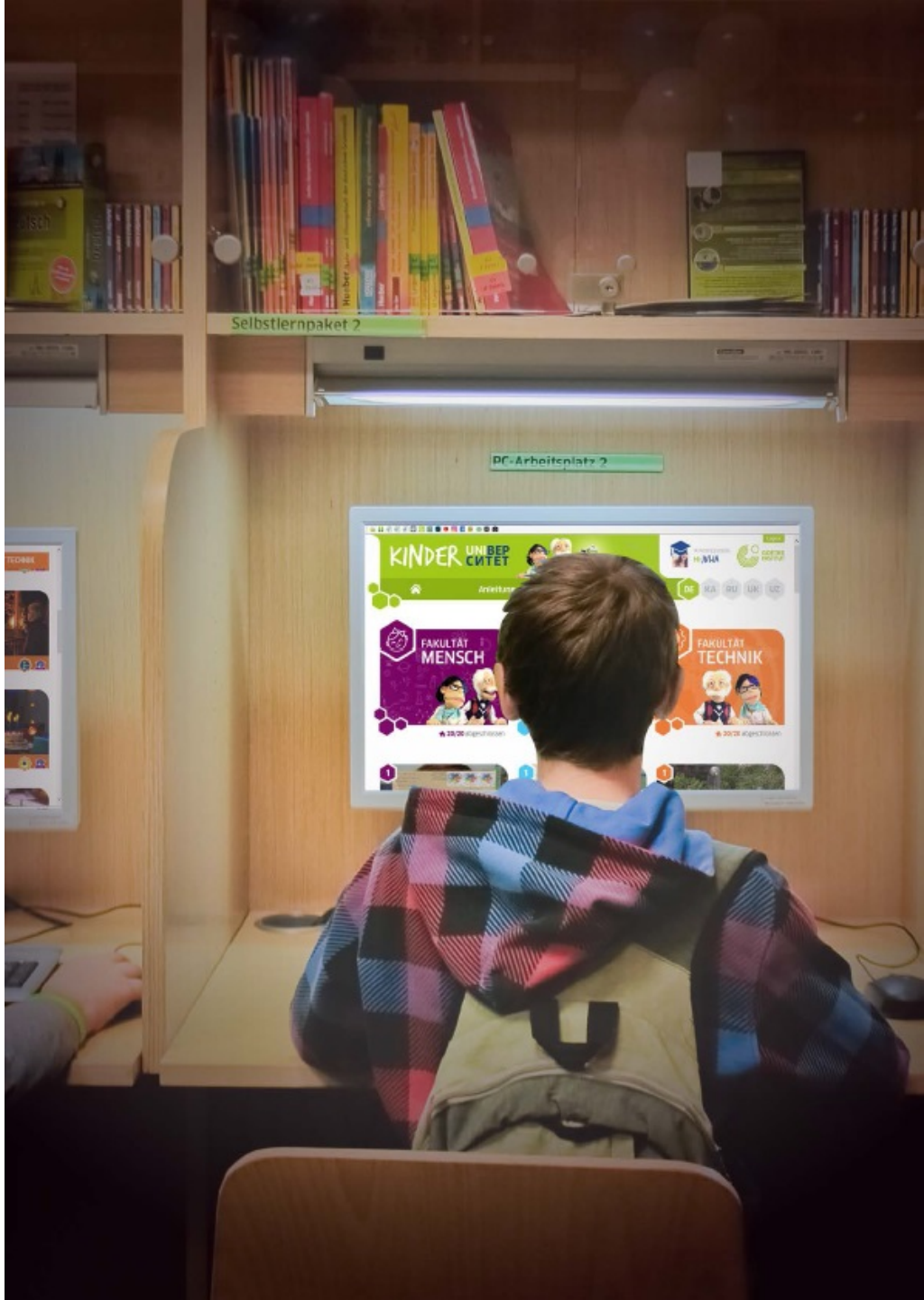
The German Digital JuniorUni is a free online learning platform provided by the Goethe-Institut for young people. It offers the opportunity to find answers to the most exciting questions from the fields of robotics, space travel, energy and sustainability, nature research, and technologies, while learning the German language.

HISTORY

In 2016, the Goethe-Institut launched the German Digital Children's University for children of primary school age.

Objective
To arouse children's curiosity in the world around them and to accompany their learning of the German language with exciting educational content

kinderuni.goethe.de



KINDER UNIVERSITÄT

Logout

★PROFESSORIN: Hi JULIA

GOETHE INSTITUT

Anleitung zum Studium | Meine Auszeichnungen

DE EN KA PL RU UK UZ

FAKULTÄT MENSCH

★ 20/20 abgeschlossen

FAKULTÄT NATUR

★ 20/20 abgeschlossen

FAKULTÄT TECHNIK

★ 20/20 abgeschlossen

1

Blindenschrift

1

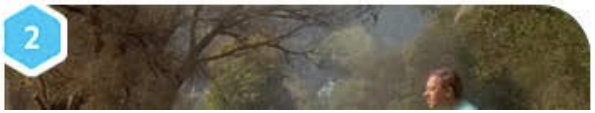
Muschelsound

1

Autopilot

2

2



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DIGITAL JUNIORUNI

After completing the Children's University, the students are taken to the next stage of their academic education - **Digital JuniorUni**

- for people age 14 and up
- with a thematic focus on STEM topics and the German language

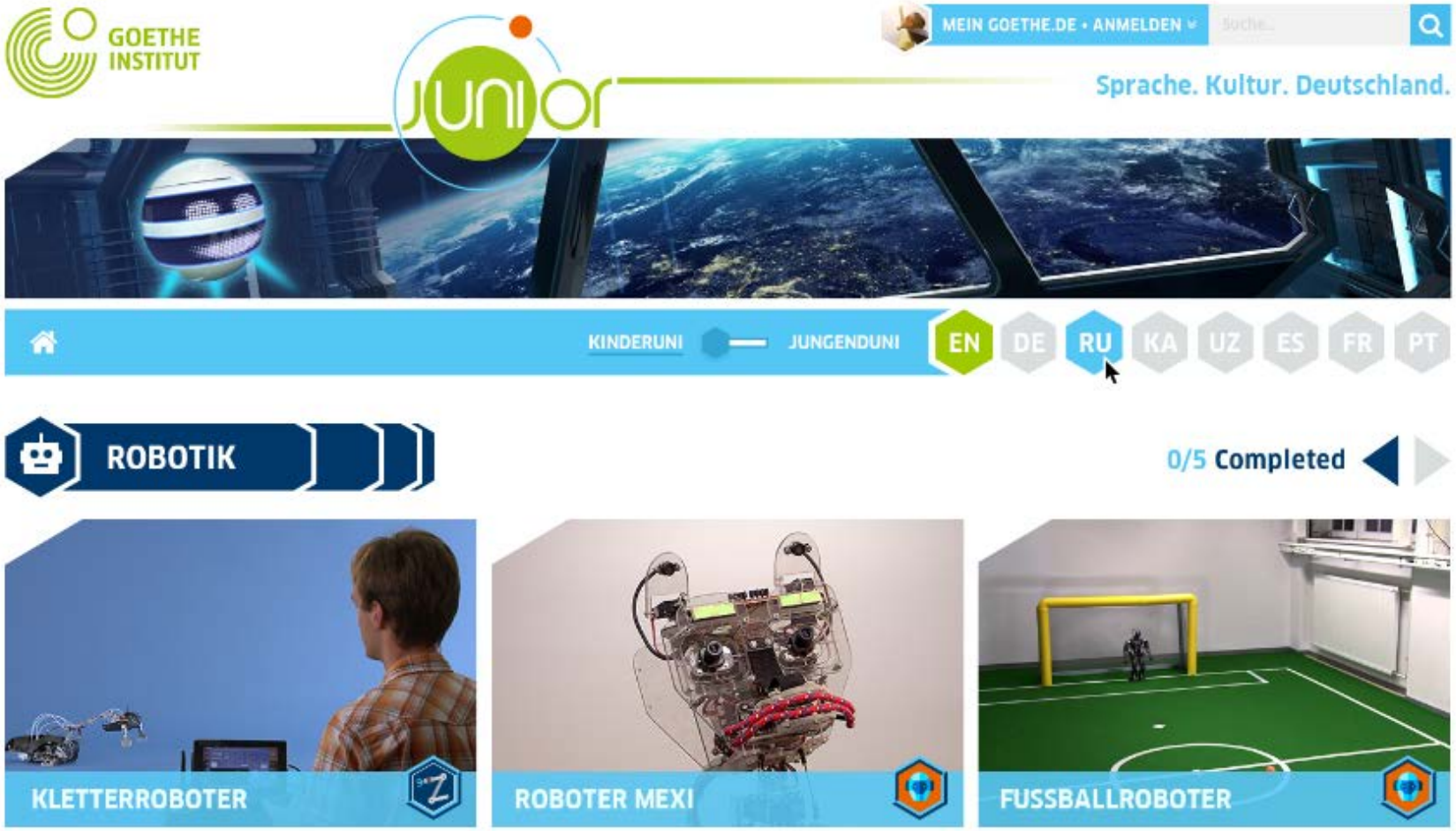
JUNIORUNI ONLINE

The instruction takes place in **the flying space station** of the JuniorUni

The students will be greeted and accompanied by the **drone JOWO**, known from the Digital Children's University, who has been upgraded for weightlessness

JOWO is happily supported by the three young, energetic junior researchers: Tessa, Florian, and Mira, whom he includes in his lectures.

ONLINE PLATFORM



RAUMFAHRT

0/4 Completed

KINDERFRAGEN AUS DEM ALL

EBBE UND FLUT

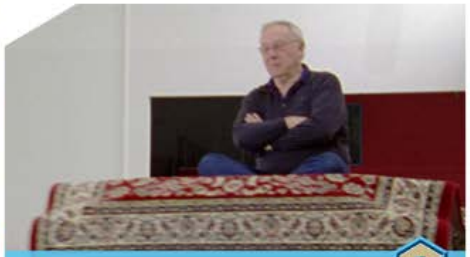
AUFRUF FLYING CLASSROOM

ENERGIE UND NACHHALTIGKEIT

0/6 Completed

BRENNSTOFFZELLE

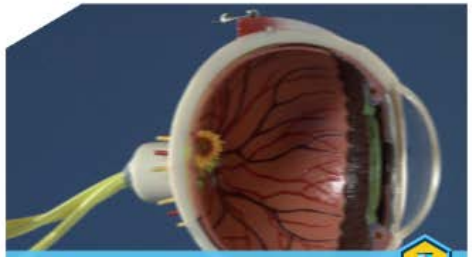
TUEREN AUF ELEKTROMOTOR



SUPRATRANS

NATURFORSCHUNG

0/6 Completed



SEHCHIP FÜR BLINDE

LOTUSEFFEKT

AUFRUF FLYING CLASSROOM

EXAMPLE TOPICS

ROBOTIK

Robotics

- Can robots score soccer goals?
- Can a robot show feelings?
- Does a rat have anything in common with a robot?

RAUMFAHRT

Space Travel

- How do you train before going into space?
- How do astronauts live on the space station?
- Which experiments can only be performed in space?

TECHNOLOGIEN

Technology

- How does a touchscreen work?
- How does an LED light work?
- How does a maglev (magnetic levitation) train work?

ENERGIE UND NACHHALTIGKEIT

Energy and Sustainability

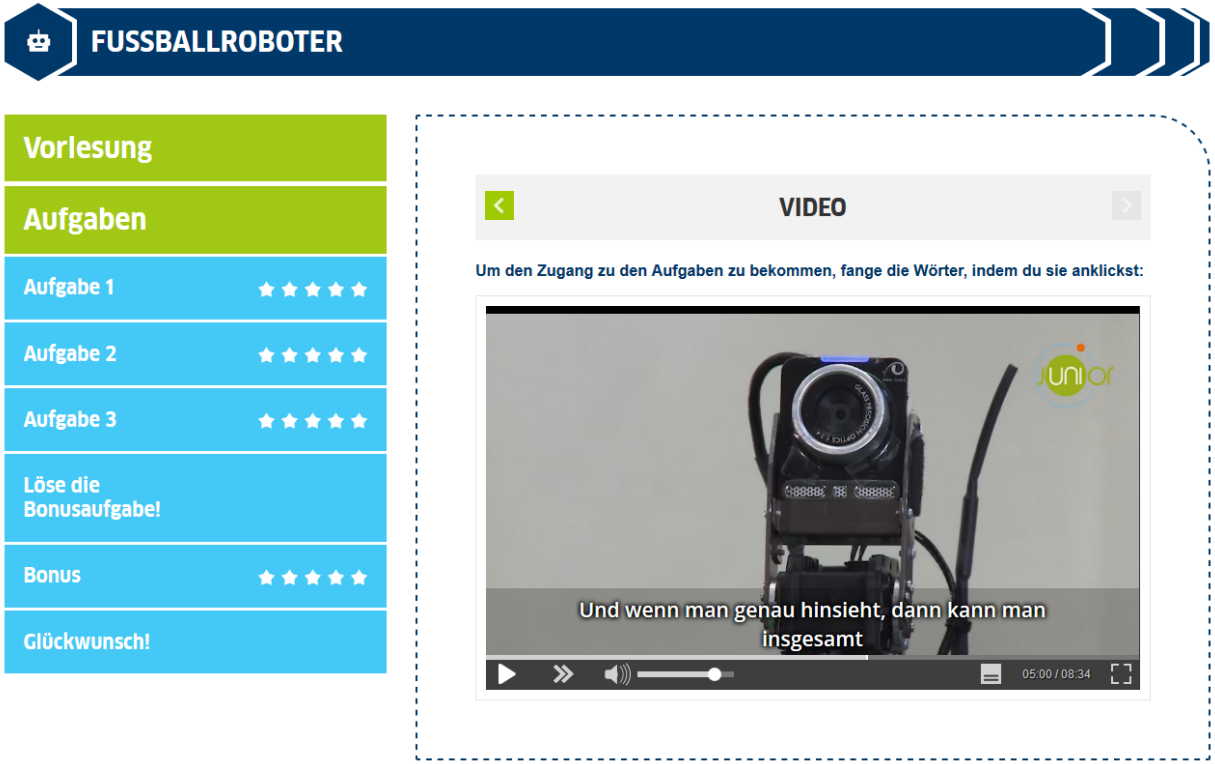
- Can you get energy from algae?
- How does an electric motor work?
- Can you power a car with water?

NATURFORSCHUNG

Nature and Natural History

- How is thunder formed?
- How are the tides created?
- Are there still dinosaurs today?

THE LANGUAGE OF INSTRUCTION



In German

OR

In English

with subtitles

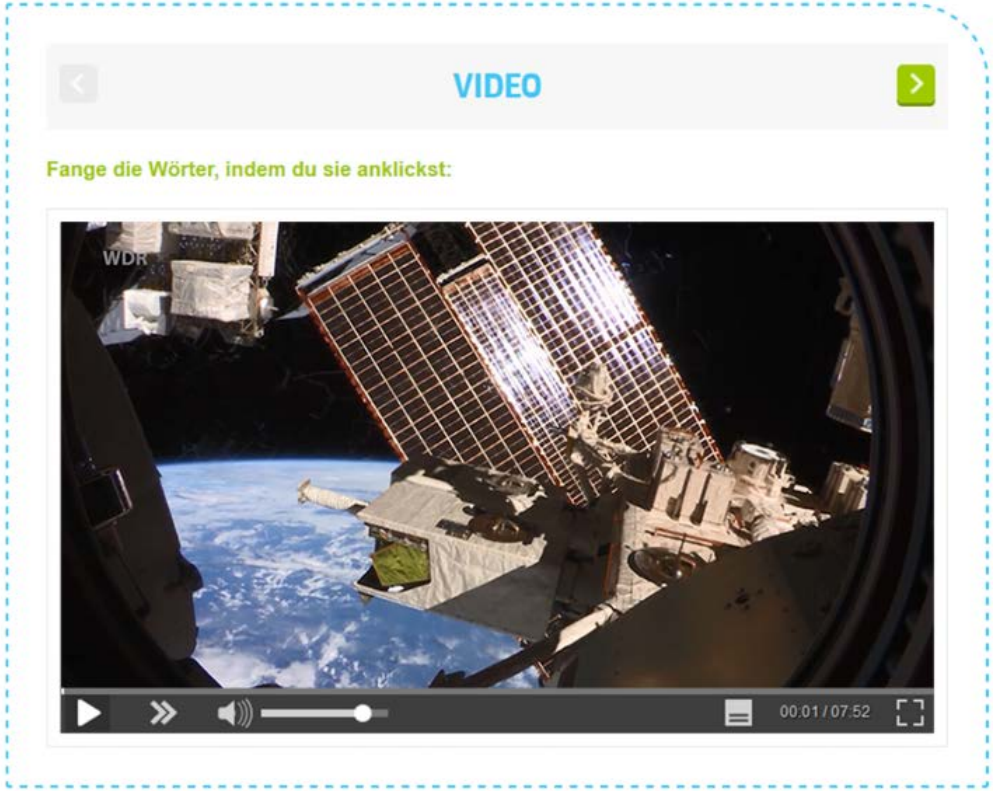
- **in German**
- **in English**

with subtitles

- **in German**
- **in English**

INSTRUCTIONS

Catch German words by clicking on them



Caught all of the words?

Continue on to the assignment!

VOCABULARY LISTS

SOCCER ROBOT

Lecture

Study Manual

List of words

Video

Tasks

LIST OF WORDS

der Akku	battery
der Ball	ball
der Elektromotor	electric motor
das Computerprogramm	computer program
rund	round
orange	orange
die Mandarine	mandarin
das Tor	goal
blau	blue
das Fußballfeld	soccer field

DOWNLOAD
PRINTABLE WORK SHEET

WORD LIST
SOCCER ROBOT

junior
junioruni.goethe.de

What is the translation for these words?

der Akku	
	mandarin
orange	
	ball
rund	
der Elektromotor	
	blue
	goal
das Computerprogramm	
	soccer field

TASKS

AUFGABE 1

Herzlich Willkommen auf der Internationalen Raumstation (ISS)! Im Weltall ist alles schwerelos. Die Astronauten nutzen das aus und machen Experimente, die man nur in der Schwerelosigkeit machen kann. Ziehe die Wörter auf die Bildunterschriften und fülle die Lücken in deinem Forscherbuch aus:

Astronauten | Seifenblase | stabil | Raumstation | Papierflieger | Looping

Alles was auf der _____ runterfällt, wie zum Beispiel Bonbons, scheint im _____ nichts zu wiegen.

Erde

Weltall

TASKS

EXCELLENT!

NOT QUITE RIGHT!

UNFORTUNATELY, THAT IS INCORRECT!

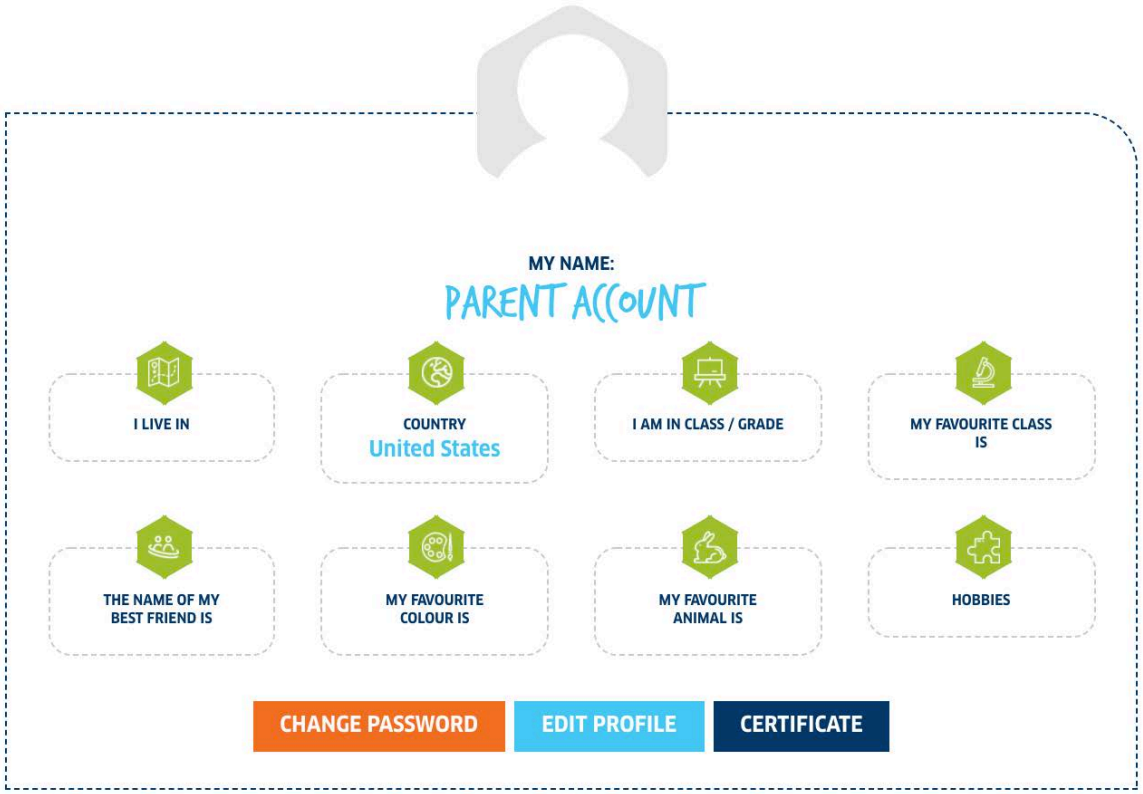
SUPER! DU HAST EINEN NEUEN BADGE VERDIENT!

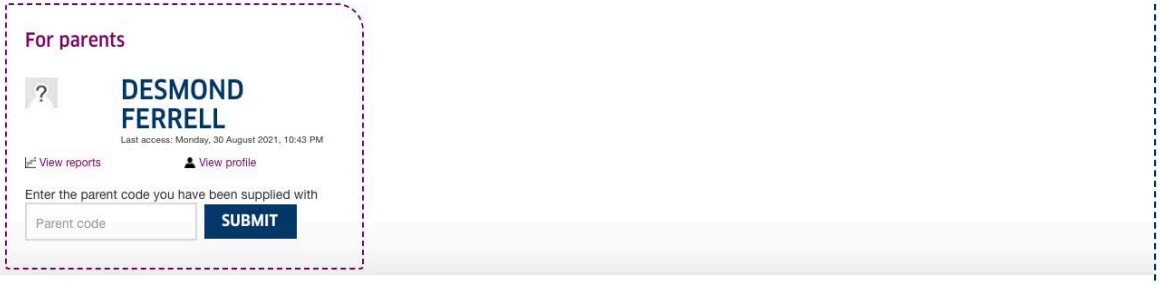
GAMIFICATION

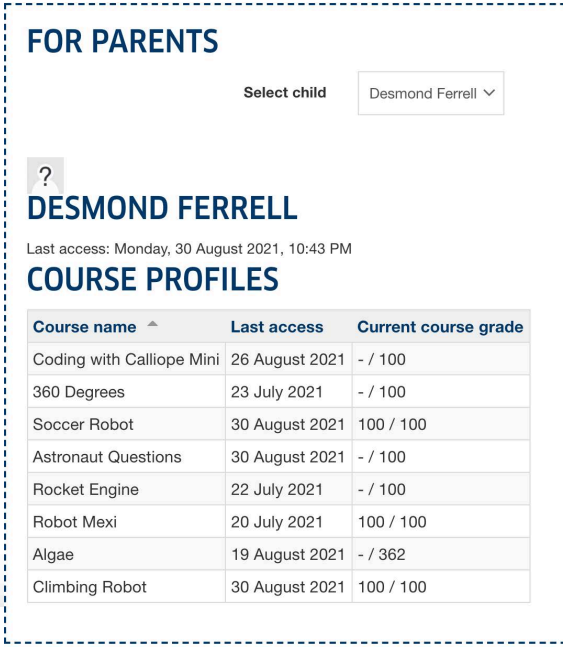
Complete the tasks and collect badges!

Start your career in the sciences!

PARENTAL ACCESS







Course name	Last access	Current course grade
Coding with Calliope Mini	26 August 2021	- / 100
360 Degrees	23 July 2021	- / 100
Soccer Robot	30 August 2021	100 / 100
Astronaut Questions	30 August 2021	- / 100
Rocket Engine	22 July 2021	- / 100
Robot Mexi	20 July 2021	100 / 100
Algae	19 August 2021	- / 362
Climbing Robot	30 August 2021	100 / 100

REGISTRATION & SOCIAL MEDIA

Online Platform:
junioruni.goethe.de

Informational Website and Contact Info
goethe.de/junioruniusa
junioruni-usa@goethe.de

SOCIAL MEDIA

facebook.com/GoetheDC
twitter.com/GoetheDC
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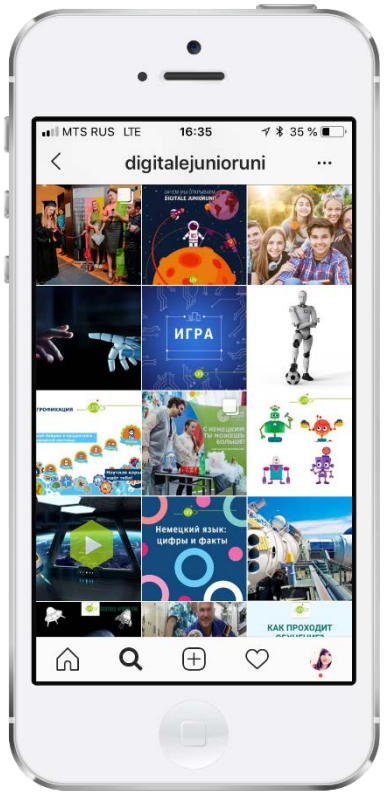
instagram.com/goethe_dc/



GIVE IT A TRY?

ROBOTIK UND CODING

0/8 abgeschlossen

RAUMFAHRT

0/10 abgeschlossen

JUNIORUNI IN SCHOOL

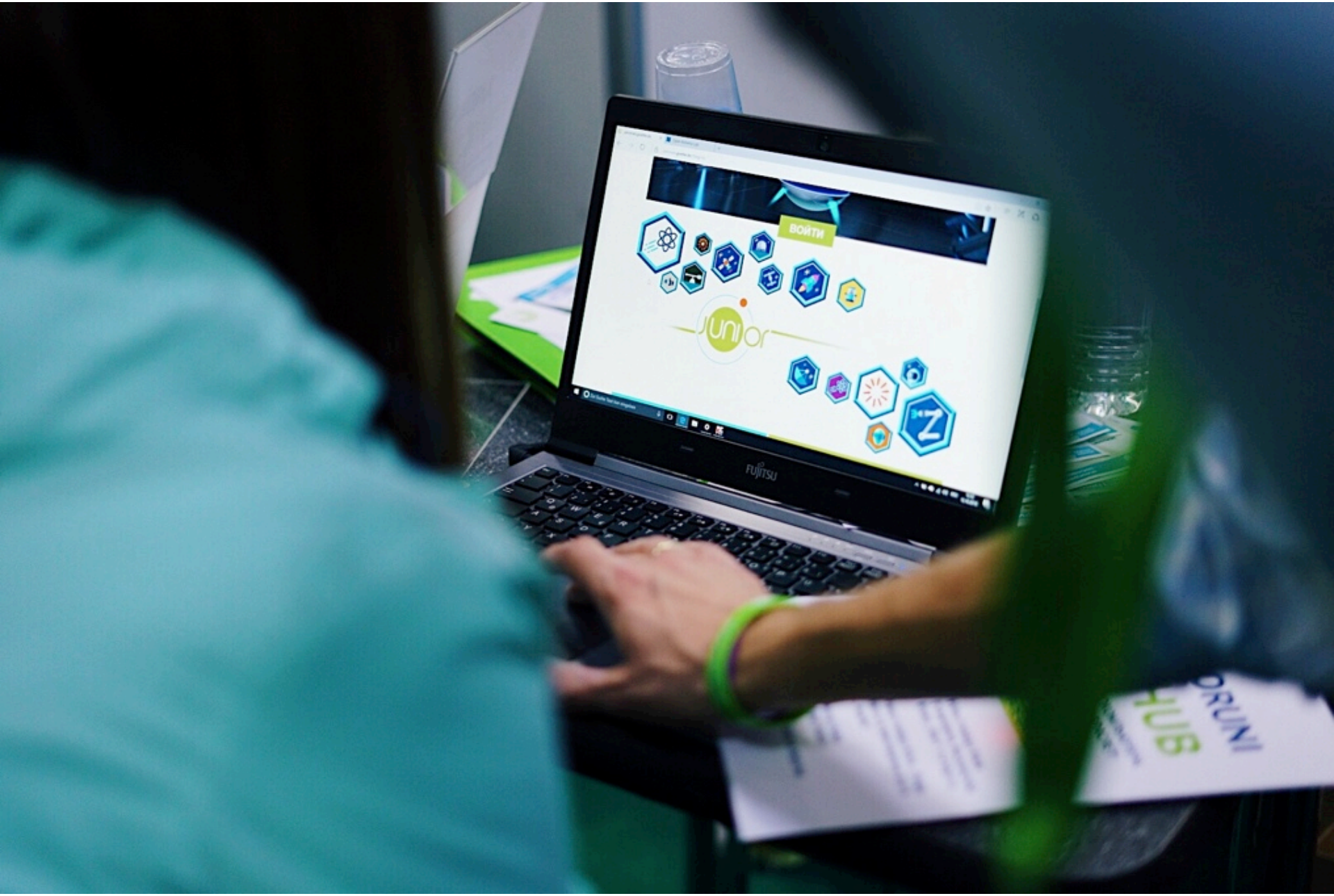
STEM – LEARNING WITH CLIL

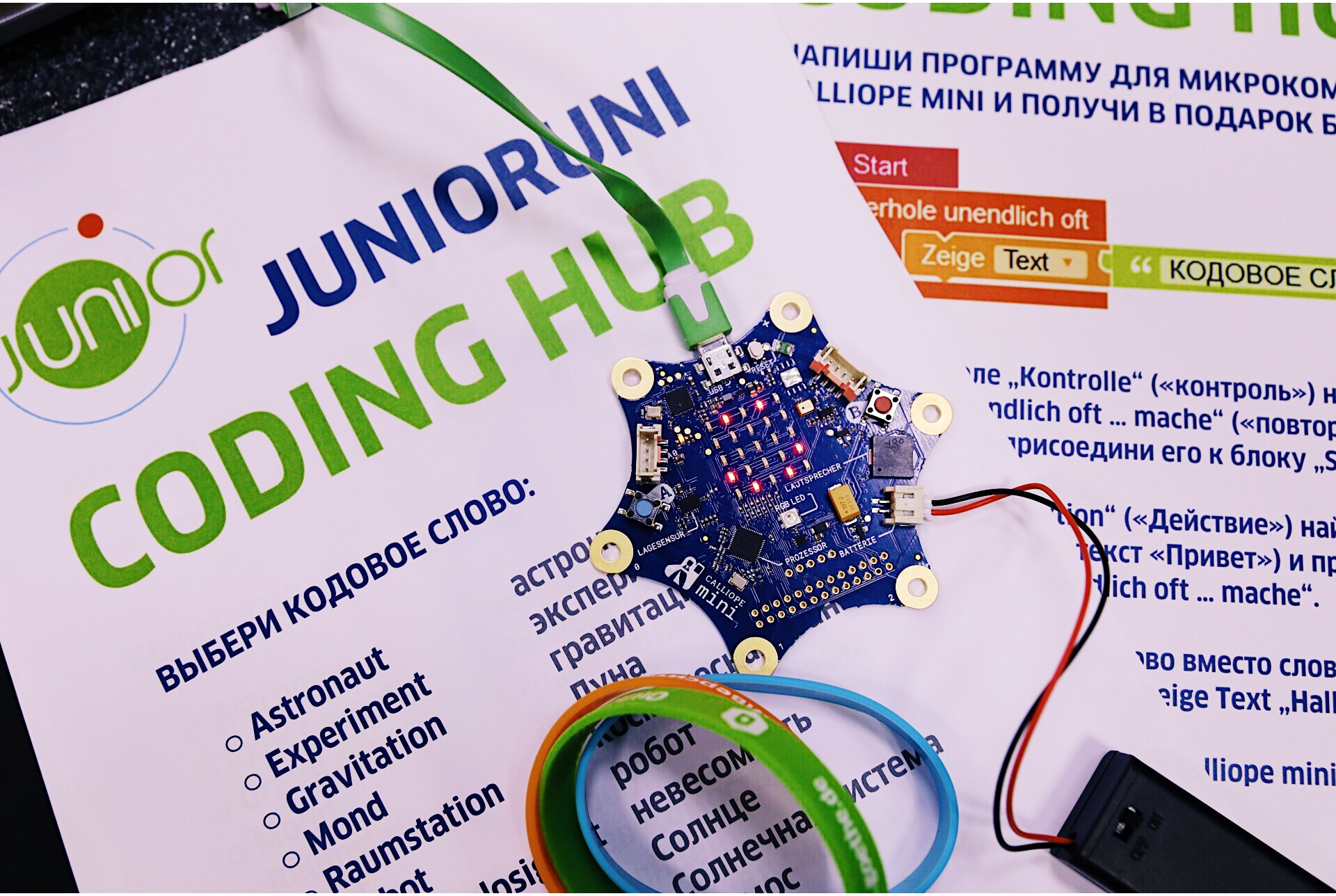
GERMAN INTEGRATED INTO THE SUBJECT LESSONS

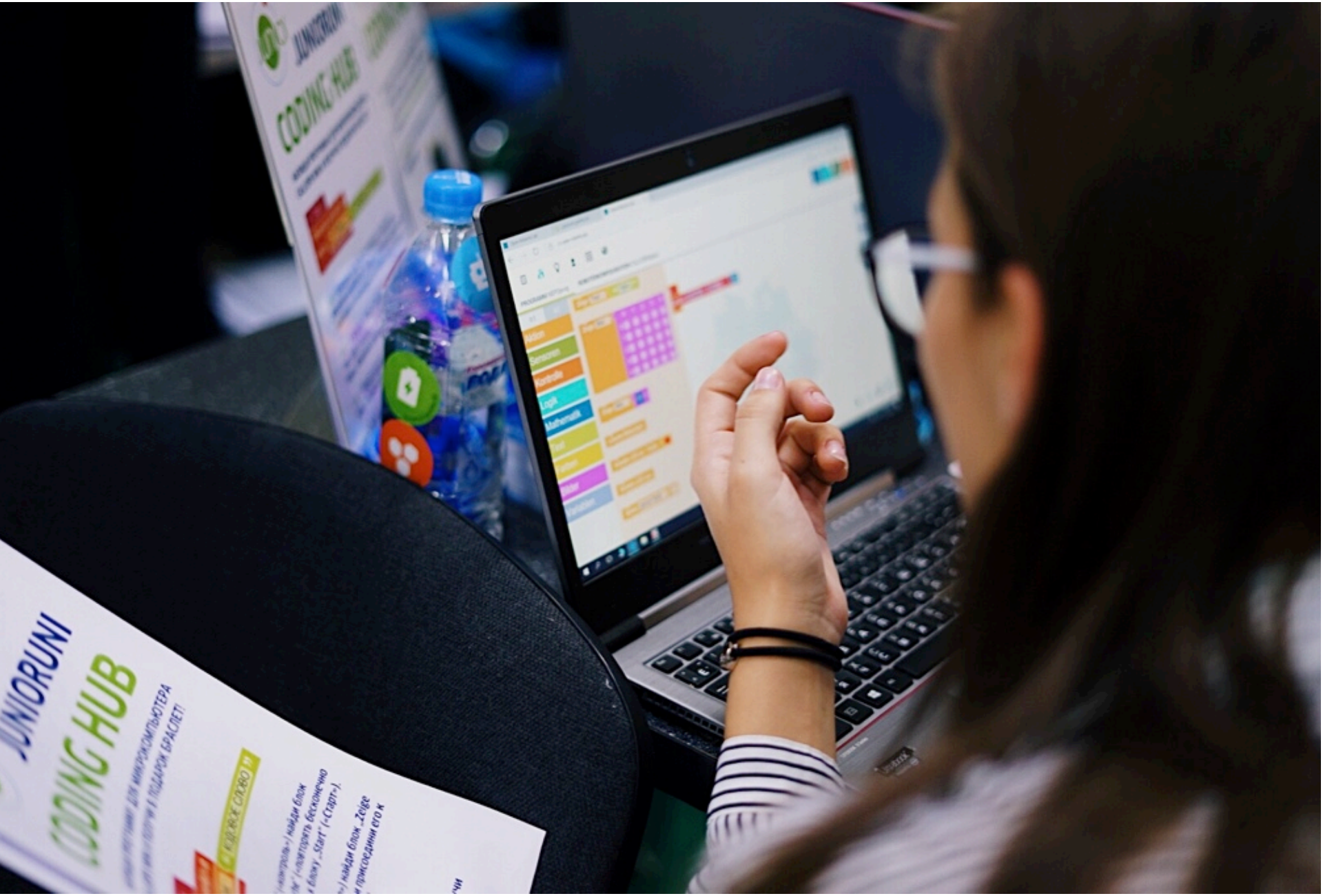
The aim of new teaching methods such as CLIL (Content and Language Integrated Learning) is to teach subject content and a foreign language together within a learning program.
The STEM subjects of mathematics, computer science, natural science and technology are particularly well suited to this forward-looking approach to education.

FOR CLIL TEACHING AND INTERDISCIPLINARY PROJECTS

JUNIORUNI LIVE


ВОЙТИ
junior
FUJITSU
HUB


JUNIORUNI
CODING HUB
ВЫБЕРИ КОДОВОЕ СЛОВО:
Astronaut
Experiment
Gravitation
Mond
Raumstation
робот
невесом
Солнце
Start
Zeige Text
КОДОВОЕ
LAUTSPRECHER
LAGESENSOR
PROZESSOR
BATTERIE
CALLIOPE mini


JUNIORUNI
CODING HUB

Virtual Launch on September 28th, 2021
Register @ goethe.de/Junioruniusa

PROJECT PARTNERS

- West German Broadcasting Cologne (WDR)
- German Aerospace Center (DLR)
- Calliope – Education initiative in Germany aimed at introducing children and young people to basic digital skills
- Schulen: Partner der Zukunft (PASCH)

WDR

DLR Deutsches Zentrum für Luft- und Raumfahrt

CALLIOPE

Schulen: Partner der Zukunft

GOETHE-INSTITUT SOCIAL MEDIA

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youtube.com/user/GIWas1
instagram.com/goethe_dc/

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junioruni-usa@goethe.de

VIELEN DANK FÜR IHRE AUFMERKSAMKEIT.

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