RWTH school news Oct 2021 for BeNeLux countries

Welcome

Dear teachers, dear parents, dear pupils and prospective students,

this time we would like to draw your special attention to the RWTH Hospitation Week, registration is still possible until October 8. Furthermore, an information day especially for prospective students from Limburg (NL) will take place on 1 December.

Please feel free to pass on our newsletter to interested colleagues, parents and students.

With best regards
Your team at the Central Student Advisory Service

Content

Offers for pupils and prospective students

- News / Dates
- Retrospect
- Regular offers / on request
- Good to know
- Counselling services
- Useful links

Offers for teachers

Imprint

Photo: Mario Irmischer
Offers for pupils and prospective students

News / Dates

Please note:
RWTH Hospitation Week
Registration possible until October 8!

2 - 5 November 2021, all-day
RWTH Hospitation Week
Every year, RWTH Aachen University offers a one-week university hospitation in certain study programs. Students who already have a concrete interest in a field of study are given a real insight into everyday life at the university. In addition to lectures and an intensive exchange with a tutor, who is an actual student, the week focuses on attending lectures. Registration takes place exclusively by e-mail via the teacher!
Target audience: school-leavers and prospective students
Web: www.rwth-aachen.de/hospitationswoche

10 - 19 October 2021
Introduction to spatial thinking and design with CAD (online)
In this course, pupils who are interested in spatial design (e.g. in architecture or mechanical engineering) or who want to study engineering not only learn the basic structure and central functions of the popular CAD software Autodesk Inventor, but also how to use it competently. In groups of 4, they work together intensively via Zoom and support each other continuously. This success experience creates a lot of fun during the week. The professional CAD software as well as support software is made available to the participants free of charge.
Registration: https://elearning.igpm.rwth-aachen.de/dgcad
Your contact: Dr. Claus Pütz, puetz@igpm.rwth-aachen.de

Please note:
all offers in German only

Photo: Mario Irmsicher
11 - 21 October 2021
autumn holidays in North Rhine-Westphalia)
Vacation program around study orientation
Reducing stress and not having to deal with life after school - parallel to school, exams, homework, hobbies and so on? The student advisory services of the FH and RWTH Aachen University jointly offer a colorful program around study orientation during the autumn and Easter holidays.
Target audience: school-leavers and prospective students
More info and program: www.rwth-aachen.de/ferienprogramm

12 October 2021, 10 to 11:30 a.m.
Lecture: Studying at RWTH Aachen University (online)
In this lecture, the range of studies offered by the RWTH and the requirements for studying at the RWTH will be presented. Participants will learn what makes studying at RWTH attractive and will receive a brief overview of application, admission and enrollment.
Target audience: school-leavers and prospective students
Registration: www.rwth-aachen.de/go/id/cuiy

12 and 20 October 2021, 9 a.m. to 3 p.m.
Mathematical modeling workshops
If you want to know what the Netflix Challenge is and what it has to do with mathematics, then the workshop on 12 October 2021 is just right for you. On this CAMMPday, you will learn about Netflix's recommendation system and find out how Netflix manages to give you the best possible movie and series recommendations.
At the CAMMPday on 20 October 2021, you can take on the role of a scientist and find out how to make a reliable statement that climate change actually exists.
Target audience: school-leavers and prospective students
Web: blog.rwth-aachen.de/cammp
Your contact: Giuliana Tamassia, tamassia@acom.rwth-aachen.de

14 October 2021, 5 to 6:30 p.m.
Lecture: Studying in Germany? (online)
The lecture with subsequent Q&A session for prospective students from German schools abroad will provide comprehensive information on all important aspects and is intended to help students make a well-considered study decision.
Target audience: school-leavers and prospective students from German schools abroad, who complete the German Abitur
Registration: www.rwth-aachen.de/go/id/jhwkr
14 October 2021, 11 a.m.
and further dates
A case for two student advisory services
– FH meets RWTH (online group advising)
If you want to know how studying at a university of applied sciences differs from studying at a university, then here is the right place! The most common misconceptions about universities of applied sciences and universities are clarified and all questions about RWTH and FH are answered.
Further dates: 21 October 2021, 3 p.m.; from November once a month, Fridays at 1 p.m.
Target audience: school-leavers and prospective students
Web: www.rwth-aachen.de/einfallfuerzwei

19 October 2021 and further dates,
10 a.m. to 4 p.m.
Workshop: Your approach to making a wise study decision (online)
This online workshop deals with the process of choosing a degree program. In a small group, various topics are worked on interactively, for example interests and self-analysis as well as decision-making aids for choosing a degree program. The participants receive a toolbox that supports them in their own study orientation.
Further dates: 18 November & 10 December 2021, 14 January 2022
Target audience: prospective students
Registration: www.rwth-aachen.de/Workshop/Studienentscheidung

27 October to 22 December 2021, Wednesdays from 5 to 6:30 p.m.
Digital afternoon offer for mathematical modeling
Have you ever asked yourself
• how scientists reach reliable conclusions about climate change,
• how it is possible that huge amounts of songs are available on your smartphone at any time,
• how we make the best use of renewable energy sources to drive forward the energy transition or
• how Netflix, Amazon and the like manage to recognize our tastes and give us personalized recommendations for new films and products?
Then find out for yourself! Take on the role of a scientist and work in small teams online to improve your problem-solving skills by using math and computers to solve real problems!
Web: blog.rwth-aachen.de/cammp
Your contact: Giuliana Tamassia, tamassia@acom.rwth-aachen.de

11 November 2021, 5 to 6:30 p.m.
Lecture: Steps to a good study decision (online)
Prospective students will learn how to avoid common mistakes when choosing a course of study and receive tips and advice on deciding on a course of study.
Another date: 14 December 2021
Target audience: prospective students
Registration: www.rwth-aachen.de/go/id/the

Please note:
all offers in German only
**12 November 2021, 9 a.m. to 1 p.m.**

**Biology and Biotechnology Day**

This year, we will open our doors again and present the broad teaching and research spectrum of the biological institutes at RWTH Aachen University with lectures and demonstrations. Pupils, teachers and students will get a deep insight into the current activities of the individual institutes and further thirst for knowledge can be quenched in personal conversations with the scientists. This year’s program will be offered on-site or digitally, depending on the pandemic situation, but it will always be a live program with many interactive elements.

Web: [www.biologie.rwth-aachen.de](http://www.biologie.rwth-aachen.de)

---

**Application possible until 30 November 2021!**

**Brigitte-Gilles-Award**

This year, RWTH Aachen University is once again offering the Brigitte-Gilles-Award for school projects that contribute to awakening and promoting interest in science and technology among female pupils.

Target group: School projects from the region

Information about the award and how to apply: [www.rwth-aachen.de/Brigitte-Gilles-Preis](http://www.rwth-aachen.de/Brigitte-Gilles-Preis)

Your contact: Christina Kleinen, akad@zhv.rwth-aachen.de

---

**1 Dezember 2021, 5 to 7 p.m.**

**Information day for applicants from the province of Limburg (Netherlands)**

The Central Student Advisory Service and the International Office of RWTH Aachen University together with the initiative „Studeren in Aken“ (Alcuinus) at RWTH Aachen University organize an information day especially for prospective students from the Dutch province of Limburg.

Registration:

[www.rwth-aachen.de/suedlimburger](http://www.rwth-aachen.de/suedlimburger)

---

Please note:
all offers in German only
17 January 2022, from 9 a.m.
Study Information Day at RWTH (online)
On 17 January 2022, RWTH will once again open its doors (digitally). Pupils and prospective students who are interested in studying at RWTH can obtain comprehensive information about the range of courses on offer and find out everything they need to know about their chosen subject and all aspects of studying. Registration and a stable internet connection are required!
Target audience: school-leavers and prospective students
More information and registration: www.rwth-aachen.de/studieninformationstag

22 February 2022, 5 to 6:30 p.m.
Lecture: Understanding the world of studying! What does studying mean anyway? (online)
A first look at what prospective students can expect at the university.
Further date: 8 March 2022
Target audience: school-leavers and prospective students
Registration: www.rwth-aachen.de/go/id/ffpm

Retrospect

RWTH Pupils’ University 2021
During the digital pupils’ university in the NRW summer vacations, more than 180 high school students learned about parts of the study program in ten different subjects. The participants were able to get a taste of university life online through lectures, experiments, workshops and other interactive formats.
At the STEM (science, technology, engineering, mathematics) pupils’ university, middle school students learned about the various education labs at RWTH. As part of the pupils’ university engineering sciences for girls, the participants explored various engineering disciplines and thus gained a first insight into the exciting work of a female engineer.
The dates of the pupils’ university 2022 will be published online in spring. Interested students can register in advance to be informed about the start of registration. The German-language offerings are open to pupils worldwide.
More info: www.rwth-aachen.de/schueleruni

“I particularly liked the varied content, the good balance between experimental phases and lectures, and also input that goes beyond university life...“
Regular offers / on request

On request
Tandem-Day at the Division of Mineral Resources and Raw Materials Engineering
How does a course of study actually work? Would you like to spend a day at the university, attend lectures and exercises and have lunch in the canteen? We will arrange a tandem partner for you - a student from the Division of Mineral Resources and Raw Materials Engineering, whom you will accompany for a day and who will show you the university and everyday life at the university.
Target group: school-leavers and prospective students with interest in sustainable engineering solutions for raw material and energy supply and recycling

From November once a month, Fridays at 1 p.m.
A case for two student advisory services – FH meets RWTH (online group advising)
If you want to know how studying at a university of applied sciences differs from studying at a university, then here is the right place! The most common misconceptions about universities of applied sciences and universities are clarified and all questions about RWTH and FH are answered.
Target audience: school-leavers and prospective students
Web: www.rwth-aachen.de/einfallfuerzwei

On request
Research guidebook for your term paper
Where to start with the literature search for a term paper? The university library provides individual, free research guides and gives topic-related recommendations for your own research in catalogs, databases and search engines.
Target group: Pupils working on their term paper
Web: www.ub.rwth-aachen.de/go/id/hrlx
Appointment any time (Exception: beginning of semester in October)

Guided tour for pupils
Project-oriented knowledge transfer instead of a classic library tour. Get to know and use the „treasure trove of knowledge“ of the RWTH University library in one and a half hours. The university library has scientific literature for the specific requirements of subject papers.
Target group: school-leavers
Web: www.ub.rwth-aachen.de/cms/UB/Service/Literatur-suchen/Fuer-Schueler/~qdghi/Fuehrungen-fuer-Schuelerinnen-und-Schuel
Your contact: Theresa Schlang
ik@ub.rwth-aachen.de

Every Wednesday 4 to 7 p.m. (except during the NRW school vacations)

Online robotics workshop
Are you interested in robots and programming? In our online workshop you have the opportunity to program robots, microcontrollers or even your own small games in various programs. There is something for everyone, from beginners with no previous experience to experienced programmers. You can work alone or with other participants of the workshop.
Target group: Pupils from the age of 10
Registration: http://robo-scope.de/index.php?id=141

On request, duration approx. 1 hour

Digital Walk@Computer Science
During the digital walk, we will roam through the multifaceted landscape of computer science in Aachen. It's all about studying: What content is taught? What is the organization and structure like? How is teaching going in Corona times? We also take a look at current research projects and the interdisciplinary areas.
A student of computer science accompanies the event and talks about his or her own experiences of life in Aachen as well as the hurdles and highlights of studying computer science.
Target group: Pupils interested in studying computer science
More info:
www.informatik.rwth-aachen.de/cms/Informatik/Studium/Schuelerinnen-und-Schueler/~nmbt/Spaziergang-Informatik

Photo: Division of Computer Science

Please note:
all offers in German only
On request

Online Modules of the InfoSphere – Education lab of Computer Science at RWTH Aachen
The range of newly developed online modules offered by the InfoSphere is constantly growing and brings the education lab to the pupils’ homes or schools. The children and young people can immerse themselves in exciting topics of computer science and are accompanied by trained supervisors. The opportunities of digitalization are used and made tangible, as the participants communicate with each other and with the supervisors via video conferencing software and build and program their projects using various simulators.
Target group: Pupils from approx. 10 years to approx. 15 years of age
Web: schuelerlabor.informatik.rwth-aachen.de/module
Your contact: Annabell Brocker M. Sc. RWTH, schuelerlabor@informatik.rwth-aachen.de

On request (as from 2022)

Unihits for Kids: Visit to the institutes
Re-launch of the Unihits for Kids project, in which school classes or groups can spend a morning visiting a technical or scientific university institute at RWTH.
Target group: teachers and school classes (11 to 12 years)
Registration: https://t1p.de/d4sl
Your contact: Deborah Hennig unihits@ezw.rwth-aachen.de

On request

Mathematics lecturers: digitally or live at your school
Where can math be found? What is math good for? How can math be used to understand actual processes? Lecturers from the RWTH department of mathematics explain digitally or on site how mathematics can be used to explain real-life phenomena and solve problems.
Target group: Mathematics teachers, school classes
Overview of offered lecture topics and further information:
www.mathematik.rwth-aachen.de/go/id/obz (Digital format is not guaranteed for all topics).

Please note:
Lecture period in the winter semester 2021/22:
11 October 2021 to 4 February 2022

Screenshot of a finished painting app, created in MIT App Inventor 2
Good to know

Languages – proof of German or English knowledge

RWTH has adopted an extended regulation for the submission of proof of the required language skills (German or English) for admission to Bachelor’s and Master’s degree programs. Accordingly, students can acquire the necessary language skills during the first two semesters of the course of study and can submit their certificate by the end of the second semester. Students who would like to benefit from this option are recommended to attend an appropriate German or English course at the RWTH Language Center. We strongly recommend that applicants, who do not have the required language proficiency (level C1), take a test at level B2 before coming to Germany. In case that you do not have the opportunity to take a level B2 test, the language center of RWTH Aachen University offers a limited number of places in a placement test. However, participation in this test cannot be guaranteed. During the first two semesters of your studies, we strongly recommend that you attend the relevant language courses offered by the RWTH Language Center to prepare for the required language test (level C1). Please note that in the event that the required language certificate is not submitted in the two semesters, re-registration for the third semester is not possible. If you have any questions regarding this access option, please send them to us using the email address: admission@rwth-aachen.de

For applicants from Limburg (Netherlands) the following regulations apply: German-speaking applicants from Limburg who can present a „Diploma voorbereidend wetenschappelijk onderwijs (VWO)“, in which 5 years of German language instruction took place and in which at least the Dutch grade of 5.5 was achieved in the last school leaving certificate, are exempted from proving sufficient German language skills. Further legally binding information can be obtained from the International Office of RWTH Aachen University:

Admissions and Social Affairs

MATSE training at RWTH still has vacancies!

The dual vocational training to become a mathematical-technical software developer with studies in applied mathematics and computer science (FH) is a very good start into the IT professional world. The MATSE training group is looking forward to interested inquiries and applications.

Target group: Pupils with talent in mathematics and computer science

More info: www.itc.rwth-aachen.de/matse
Your contact: matse@itc.rwth-aachen.de

Brochure: Guide to Studying

The latest edition of our brochure „Guide to studying - Orientation for prospective students“, valid for the winter semester 2021/22 is online. Download under:

www.rwth-aachen.de/vorlesungsbesuch
Counselling services

Study counselling by telephone or zoom
How do I find the right degree program for me? When do I have to apply for a placement at university and where can I find the right contact person for my questions?
We currently advise and inform pupils and prospective students who have questions about choosing a degree program, applying for a place at a university or other questions about studying exclusively contactless via telephone or Zoom.
Allocation of individual appointments at: www.rwth-aachen.de/go/id/oelt

Brief advice from the Infocenter in the Central Student Advisory Office
We give brief advice by telephone at +49 241 80 94050 at the following times:
Mon, Tue, Thu, Fri: from 9 to 12:30 p.m.
Mon, Tue, Wed, Thu: from 1:30 to 4 p.m.
or via e-mail:
Studienberatung@rwth-aachen.de
www.rwth-aachen.de/schuelerberatung

Academic subject-specific counselling
The subject-specific study counselling advises on detailed study content, examination requirements, study structure and concrete study organisation:
www.rwth-aachen.de/fachstudienberatung

Student councils within faculties
Further source of information for a comprehensive impression of a degree program:
www.rwth-aachen.de/fachschaften

Thursdays 4 to 6 p.m.
Personal consultation through VOR-SCHUB (representation for students with chronic illness and disabilities)
Who can help me in my everyday studies if I have an illness or disability? How can I get compensation for a disadvantage? How do I find support groups for my illness? The Representation for students with chronic illness and disabilities provides advice on issues relating to unrestricted and equal opportunity access at the university and individual support for those affected. All consultations will take place via Zoom or telephone until further notice.
Newsletter and more info:
www.rwth-aachen.de/vorschub
Your contact: Lena Schulte and Philip Balcar
vorschub@asta.rwth-aachen.de

Photo: Martin Braun
Useful links

Here, prospective students of all nations can check which school leaving certificate gives them access to study at a German higher education institution:
www.anabin.de

Overview of all degree programs offered in Germany:
www.hochschulkompass.de

Information on the entire range of all degree programs at RWTH Aachen University:
www.rwth-aachen.de/studienangebot

The International Office of RWTH Aachen University is responsible for all applicants without German citizenship and/or foreign (non-German) university entrance qualification (Abitur):

Up-to-date information about applying for a placement at university and deadlines:
www.rwth-aachen.de/bewerbung

SelfAssessments (SAM) are a valuable orientation aid for a well-founded study decision (only for RWTH degree programs, except for medical degree programs):
www.rwth-aachen.de/selfassessment

Apprenticeships at RWTH Aachen University are available in industrial-technical, scientific and administrative professions as well as in non-medical healthcare professions. Overview of the apprenticeships offered at RWTH:
www.rwth-aachen.de/berufsausbildung

Calendar of interesting events for pupils and prospective students:
www.rwth-aachen.de/schnupperangebote_infotage

Brochure „Guide to studying - Orientation for prospective students“:
www.rwth-aachen.de/vorlesungsbesuch

Digital formats that can support the study choice process even in times of contact restrictions:
www.rwth-aachen.de/zsb-digitale-angebote

Eight different education labs at RWTH Aachen University offer a wide range of opportunities for extracurricular teaching:
www.rwth-aachen.de/schuelerlabore

facebook.com/RWTHAachenUniversity
twitter.com/RWTH
youtube.com/user/RWTHAachenUniversity
instagram.com/rwthaacheneruniversity
Offers for teachers

3 November 2021 and further dates
LeBiAC: Digital media in the classroom
Free online workshops on the topic of digital media in the classroom (explanatory videos, fake news, hate speech, etc.).
Further dates in the winter semester 2021/22:
17 November, 24 November,
8 December, 15 December 2021 and
19 January 2022, always 2:30 to 4 p.m.
Target group: Active teachers / student teachers
Web: https://t1p.de/5e14

Math Didactics Presentation Series „Grüne Reihe“:

9 November 2021, 6 to 7 p.m.
What is effective in learning mathematics in heterogeneous classes - contradictions and balance.
In her lecture, Prof. Dr. Andrea Hoffkamp from the Technical University of Dresden presents well-founded convictions on the creation of mathematics lessons in highly heterogeneous classes, which are concretized by means of examples and illuminated with regard to a balance between previously presented contradictions. In doing so, the experiences and developments within a school and teaching project at a pedagogically challenging school in Berlin-Kreuzberg, which has been ongoing since 2015, will be drawn upon.
Further lectures: 25 January and 26 April 2022.
Registration informally by mail to:
lehrertag@matha.rwth-aachen.de
Target audience: (Prospective) mathematics teachers
Web: www.mathematik.rwth-aachen.de/cms/Mathematik/Die-Fachgruppe/Vortragsreihen/~obx/Didaktik-Vortragsreihe
Math Didactics Presentation Series „Grüne Reihe“:

**25 November 2021, 6 to 7 p.m.**

*What does „competence-oriented mathematics teaching“ actually mean and what does it not mean? Possibilities and challenges, concretized on the topic of integral calculus*

In his lecture, Prof. em. Dr. Werner Blum from the University of Kassel presents what mathematical education should mean and how this is concretized in the form of educational standards. The most common misunderstandings will also be addressed, including the idea that PISA literacy is now the focus of instruction or that content is being replaced by competencies. Subsequently, it is discussed what can be meaningfully understood by „competence-oriented mathematics teaching“. This is concretized with the help of a teaching unit on integral calculus. The much-discussed discrepancies between school-leaver qualifications and customer expectations are also examined. Finally, it is considered which measures are particularly promising for achieving the educational goals targeted by the standards.

Registration informally by mail to: lehrertag@matha.rwth-aachen.de

**Target audience:** (Prospective) mathematics teachers


**6 January 2022, 10:30 a.m. to 4 p.m.**

*Aachen School-University Symposium*

In multi hour working sessions, specific topics from different areas are dealt with in small groups. In addition to prepared inputs, concrete teaching materials or extracurricular school projects are tested, discussed or developed together in practical work phases. On the part of mathematics didactics, an online working session on the further development of iMPACt will be offered once again. Following on from last year’s results, a course on algebraic structures for iMPACt courses will be presented and discussed.

**Target group:** Didacticians, teachers and students of all subjects

**Web:** [www.lbz.rwth-aachen.de/cms/LBZ/Forschung/Aktuelles/Mitteilungen/~pttuy/Aachener-Schul-Hochschul-F](http://www.lbz.rwth-aachen.de/cms/LBZ/Forschung/Aktuelles/Mitteilungen/~pttuy/Aachener-Schul-Hochschul-F)
Aachen Evening Talks on School Inclusion - Winter Semester 2021/22

A now well-established format that, in addition to exciting presentations, also offers the opportunity for exchange and discussion on topics in the field of the narrow as well as the broad concept of inclusion:

4 November 2021, 6:30 to 8:30 p.m.  
Racism as an educational challenge  
(Prof. Dr. Aladin El-Mafaalani, University of Osnabrück)
Racism is a pedagogical challenge in several respects, for example as a curricular subject or as a problem within the school, for example in the classroom (i.e. especially between teacher and children), in the schoolyard (especially between the children) or in the teachers' room (between the teachers). Against this background, the lecture will ask, among other things: Why is this topic so relevant today? What can be derived from it with regard to pedagogical professionalism? What further demands will be placed on pedagogical institutions in the coming years?  
Registration: www.igad.rwth-aachen.de/go/id/mwynn/file/5-31469

7 December 2021, 6:30 to 8 p.m.  
(Inclusive) pedagogy for visual disabilities  
(Prof. Dr. Dino Capovilla, Julius-Maximilians-University of Würzburg)
How does our visual perception actually work and what does an impairment of vision mean against this background? How do blind children come to imagine a tiger that the majority of people only know from visual media? How and how well does collaborative learning work

18 January 2022, 6:30 to 8 p.m.  
Body pedagogy. Inclusion/Exclusion through Biopolitics  
(Prof. Dr.in Kirsten Puhr, Martin-Luther-University of Halle-Wittenberg)
The topic of biopolitics is put up for discussion as part of hegemonic conceptions of human life (historical and current). Towards a positioning on vulnerability and prosthesis, an understanding of body and disabilities as contingent cultural constructions and the related social as well as pedagogical practices will be spoken about.  
Registration: umfragen.lbz.rwth-aachen.de/limesurvey/index.php/992917?lang=de

Please note:  
all offers in German only
Imprint

Frequency of publication: twice per year

Registration and deregistration:
https://lists.rwth-aachen.de/postorius/lists/benelux-news.lists.rwth-aachen.de

All information about the newsletter:
www.rwth-aachen.de/schulnews

Responsible:
Dr. Mandana Biegi
Head of Department
Central Student Advisory Service
RWTH Aachen University

Content, texts, translation and typesetting:
Dipl.-Kff. Jaana Schiwietz
Coordinator Pupil Programmes
Central Student Advisory Service
RWTH Aachen University
schuelerprogramme@rwth-aachen.de