Welcome

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

in April, the student advisory services of the FH and RWTH Aachen University are jointly offering a colorful program on all aspects of study orientation. In addition, the registration for the RWTH Pupils‘ University will start soon. 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

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Social Media

Imprint

Photo: Martin Braun
Offers for pupils and prospective students

News / Dates

2 April 2022, 10 am to 1 pm
Programming a walk through the zoo or an animal race with ScratchJr
In this module, for which no previous (programming) knowledge is required, the participants send a cat on a walk through the zoo or program a race between elephant, cat and mouse. To do this, they use the ScratchJr app on tablets and get into programming as easily as child’s play, because the programming commands can be plugged into each other like puzzle pieces.
Target audience: pupils from 8 to 11 years
Registration: https://schuelerlabor.informatik.rwth-aachen.de/contact/scratchjr_02_04_2022
Your contact: Annabell Brocker, schuelerlabor@informatik.rwth-aachen.de

11 to 22 April 2022 (easter 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 Easter holidays.
Target audience: school-leavers and prospective students
More info and program: www.rwth-aachen.de/ferienprogramm

6 April 2022, 5 to 6:30 pm
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.
Further date: 23 June 2022
Target audience: school-leavers and prospective students
Registration: www.rwth-aachen.de/go/id/the

11 April 2022, 9 am to 3 pm
Open CAMMP day word suggestions
Participants will learn how a cell phone knows what you want to write next and how these word suggestions are generated. In this workshop, a prediction model will be developed that tries to imitate the user’s language as well as possible.
Target audience: school-leavers and prospective students
Web: https://blog.rwth-aachen.de/cammp/

Please note: all offers in German only
Registration starting in April 2022!
RWTH Pupils’ University
During the summer holidays in North Rhine-Westphalia (27 June to 9 August), interested high school students have the opportunity to experience a subject of study from the "STEM" sector (science, technology, engineering, mathematics) for a whole week and gain a first insight into the world of studies. The participants attend workshops, do experiments and listen to lectures.
Target audience: Middle and high school pupils
Registration and all dates: www.rwth-aachen.de/schueleruni

12 to 14 April 2022
CAD in detail (online course)
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. 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

18 April 2022, 9 am to 3 pm
Open CAMMP day Shazam
If you’ve always wanted to know how the music recognition app Shazam works, this CAMMP day is for you. In this workshop, the mathematical basics for creating an acoustic fingerprint will be presented and participants will be able to create an acoustic fingerprint of a sample recording.
Target audience: pupils from 14 years
Web: https://blog.rwth-aachen.de/cammp/

Please note:
all offers in German only
20 April 2022, 10 am to 4 pm
**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: 13 May and 10 June 2022
Target audience: school-leavers and prospective students
Registration: [www.rwth-aachen.de/Workshop/Studienentscheidung](http://www.rwth-aachen.de/Workshop/Studienentscheidung)

27 April to 15 June 2022, wednesdays 5 to 6:30 pm
**CAMMP research project**
In the CAMMP research project, participants get to the bottom of mathematical questions outside of the classroom. Once a week, they work with a team on a mathematical problem and try to solve it.
Possible questions include: How does Netflix keep suggesting movies and series that are to your taste? How can climate researchers make reliable statements about climate change or how does Shazam work?
Target audience: pupils from 13 years
Web: [https://blog.rwth-aachen.de/cammp/](https://blog.rwth-aachen.de/cammp/)

2 May 2022 and further dates
**Experience studying („SEM = Studieren Erfahrbar Machen“)**
**A taster study of physics in either 3 or 6 weeks**
Students interested in studying physics experience first-hand how the bachelor’s program in physics actually works. They work through two complete sections from the 1st semester and in this way realistically experience the level, pace and scope of a physics degree.
Target audience: school-leavers and pupils interested in studying physics
Web: [www.physik.rwth-aachen.de/cms/~suimj/](http://www.physik.rwth-aachen.de/cms/~suimj/)

4 May 2022, 5 to 6:30 pm
**Lecture: Understanding the world of studying! What does studying mean anyway? (online)**
After high school, pupils have become accustomed to class structures and teachers, to timetables, homework, vacations and exams. Will everything be completely different during their studies? A first look at what prospective students can expect at the university.
Further date: 23 June 2022
Target audience: school-leavers and prospective students
Registration: [www.rwth-aachen.de/go/id/ffpm](http://www.rwth-aachen.de/go/id/ffpm)

Please note: all offers in German only
10 May 2022, 5 to 7 pm
Lecture: Start of studies in 2022: What parents want to know beforehand (online)
A lecture for parents who want to support their children in their decision to study. The lecture is based on questions that are frequently asked in the student advisory service. Beyond advertising and rumor mongering, basic information about studying will be provided.
Target audience: parents of prospective students with German high school diploma (Abitur)
Registration: www.rwth-aachen.de/go/id/cdls

17 May 2022, 5 to 6:30 pm
Lecture: Studying in Germany? (online)
A lecture for prospective students from German schools abroad who are taking the German Abitur.
Registration: www.rwth-aachen.de/go/id/jhwkr

19 May 2022, 4 to 6 pm
„Ein Klick“ RWTH (online) - Explore RWTH Aachen University
Prospective students can explore RWTH Aachen University from their home computers through a program of lectures, advisory services offered by the Central Student Advisory Service, the student councils and student initiatives, as well as through a virtual campus tour.
Further dates: 1 June and 13 June 2022
Target audience: school-leavers and prospective students
Registration: www.rwth-aachen.de/einblickrwth

21 May 2022, 10 am to 3 pm
Programming your own stories with ALICE
A fantastic 3D world like that of Alice in Wonderland is created in this module using the Alice software. Participants can breathe life into their story by programming it as a game or video - there are no limits to creativity. Prior knowledge of basic programming concepts (loop, control structures, procedures) should be present.
Target audience: school-leavers
Registration: https://schuelerlabor.informatik.rwth-aachen.de/contact/alice_21_05_2022
Your contact: Annabell Brocker, schuelerlabor@informatik.rwth-aachen.de

Calendar of events for pupils and prospective students:
www.rwth-aachen.de/schnupperangebote_infotage
8 June 2022, 5 to 6:30 pm
Lecture: How to apply correctly for admission-restricted Bachelor’s degree programs (online)
A numerus clausus - what is that actually? What role does the average grade of the school-leaving certificate play? When is the best time to apply? Our lecture explains the rules of the allocation of study places to prospective students so that they can better assess their chances and make good use of them.
Further date: 23 June 2022
Target audience: school-leavers and prospective students
Registration: www.rwth-aachen.de/go/id/cdgf

23 June 2022, 4 to 8 pm
Long evening of study counselling
A range of counselling sessions conducted by telephone and online into the evening.
Target audience: school-leavers and prospective students
Web: www.rwth-aachen.de/langer-abend

Save the date: 27 June to 1 July 2022
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. The professional CAD software as well as support software is made available to the participants free of charge.
Target audience: pupils from 14 years
Registration: https://elearning.igpm.rwth-aachen.de/dgcad
Your contact: Dr. Claus Pütz, puetz@igpm.rwth-aachen.de

Save the date: 7 to 11 November 2022
University Hospitation Week
Schüler*innen, die schon ein konkretes Interesse an einem Studienfach haben, erhalten einen Einblick in den Studienalltag und werden von Tutor*innen der jeweiligen Fächer begleitet. Pupils who already have a concrete interest in a subject receive an insight into everyday life at university and are accompanied by tutors from the respective subjects.
Target audience: school-leavers and prospective students
Web: www.rwth-aachen.de/hospitationswoche

Please note:
all offers in German only
Save the date: November 2022
The advisors at the Central Student Advisory Service answer questions about studying and provide support with tips on deciding on a course of study at the „Foire de l'étudiant“ in Luxembourg.

Retrospect: Study Information Day at RWTH (online)
On 17 January 2022, the RWTH opened its digital doors for the second time for pupils and prospective students. More than 1,500 visitors came to find out about their desired subject, about studying and about RWTH. There was an extensive program of presentations of study programs, general lectures on the subject of studying, specialized lectures and taster lectures. University staff from the departments, students from the student councils and many other institutions were available to answer individual questions at numerous virtual information booths.
www.rwth-aachen.de/studieninformationstag

Regular offers / on request

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 information:
www.rwth-aachen.de/spaziergang-informatik

Start on August 1 each year
Federal Volunteer Service at RWTH Aachen University
School leavers who are interested in studying the so-called „STEM“ sector (science, technology, engineering, mathematics) can accompany a research project of their choice for up to one year in the special research field „Precision from Melt“ together with supervisors and team colleagues and thus gain an insight into the world of materials and production technology.
More information about the application:
https://www.sfb1120.rwth-aachen.de/cms/SFB1120/Der-Sonderforschungsbereich/~nm-sa/Bundesfreiwilligendienst/
On request
Mathematics lecturers: digitally or live at your school
(Digital format is not guaranteed for all topics)
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

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
Your contact: iz@ub.rwth-aachen.de

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

Please note:
all offers in German only
All around the study offer

New study programs
RWTH is expected to offer the following new degree programs starting in the winter semester 2022/23:

**Midwifery science B.Sc., dual and practice-integrated**
As of 2020, midwives and maternity nurses will only be trained academically. RWTH Aachen University will offer the appropriate degree program starting in the winter semester of 2022. The course lasts seven semesters and concludes with professional recognition as a midwife and a Bachelor of Science in Midwifery. The integrated practical training is provided by the University Hospital, the Luisenhospital and the Bethlehem Health Center Stolberg. A corresponding training contract with one of these practice facilities is a prerequisite for admission to the program.

**Business Mathematics B.Sc.**
The new bachelor’s program in business mathematics combines the study of basic mathematical structures and techniques with the study of economic issues and models. The focus is on the analysis and solution of mathematical and economic questions and problems as well as their mathematical modeling. Students learn the application of methods from applied mathematics and economics, especially optimization/management science and statistics/econometrics. Computer-based methods are also increasingly taken into account. It is expected that there will be no admission restriction (NC).
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

Find suitable offers for study orientation at the university or college of your choice:
www.studienorientierung-nrw.de

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

All Bachelor's degree programmes at RWTH are taught in German. International applicants must therefore provide proof of German language skills. Further information on the website of the Language Centre of the RWTH:
www.rwth-aachen.de/go/id/lgod

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

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

The association „studeren in Aken“ (project of K.A.V. Alcuinus) organises information events at Dutch schools to inspire and inform pupils about studying in Aachen.
organisatie@studereninaken.nl
www.studereninaken.nl
Counselling services

The Central Student Advisory Service provides confidential and free advice on a wide range of topics related to studying, e.g. study programs offered by RWTH, orientation and choice of studies, requirements, application, enrollment, and much more:
www.rwth-aachen.de/schuelerberatung

Consultation with appointment:
www.rwth-aachen.de/go/id/oelt

Brief consultation by e-mail:
Studienberatung@rwth-aachen.de

Brief telephone consultation at:
+49 241 80 94050:
Mon, Tue, Thu, Fri: 9 to 12:30 pm
Mon, Tue, Wed, Thu: 1:30 to 4 pm

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

Brochure „Guide to your study choice“
Summer Semester 2022 edition, available from the end of March at:
www.rwth-aachen.de/vorlesungsbesuch

The representation for students with chronic illnesses and disabilities also advises pupils on all topics concerning studies with health restrictions, e.g. compensation for disadvantages, applications for hardship, semesters off or study financing. Individual problems and questions can also be clarified here. Thursdays from 4 to 6 pm.
www.asta.rwth-aachen.de/beratung/vorschub/vorschub@asta.rwth-aachen.de
Aachen Evening Talks on School Inclusion – Summer Semester 2022
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.
Target audience: Scientists and lecturers, (prospective) teachers, school principals, pedagogues, parents and other interested parties.

26 April 2022, 6:30 to 8 pm (online)
Inclusive teaching - how does it work?
Prof. Dr. Hans Wocken (University of Hamburg)
The lecture no longer addresses the „if“ of inclusion, but exclusively the „how“. The possibilities and chances of inclusive teaching will be shown with many concrete examples from practice. In the second part of the lecture, a „dialectical theory“ of inclusive teaching will be presented. Registration at: https://umfragen.lbz.rwth-aachen.de/index.php/584394?lang=de

24 May 2022, 6:30 to 8 pm (online)
Inclusive didactics as didactics of potentiality
Prof. Dr. Simone Seitz (Free University of Bolzano)
This presentation outlines a conception of inclusive teaching that recognizes every child as capable. The concern is to develop participatory and equitable teaching practices that take individual questions and potentials and seek to connect them with curricular requirements and subject perspectives. In doing so, ways are sought to design differentiation as an enrichment of teaching for all learners. Registration at:

28 June 2022, 6:30 to 8 pm (online)
SeBiLe - Sexual Education for the Teaching Profession
Prof. Dr. Heinz-Jürgen Voß (University of Merseburg)
For the past ten years, the topics of sexual education and prevention of sexualized violence have also been a major social issue with regard to schools. The research project „SeBiLe - Sexuelle Bildung für das Lehramt“ (Sexual Education for the Teaching Profession) provides recommendations for curricular integration into teacher training programs (and teacher traineeships) and has developed a curriculum for addressing sexual education and the prevention of sexualized violence for teacher training programs. Registration at: https://umfragen.lbz.rwth-aachen.de/index.php/391737?lang=de

Detailed information: https://www.ezw.rwth-aachen.de/cms/EZW/Das-Institut/Professuren-i/Heterogenitaet-und-Inklusion/~rhfgh/Aachener-Abendgespraech/

Please note: all offers in German only
April to June 2022

**Wednesdays 2:30 to 4 pm**

**LeBiAC: Digital media in the classroom**

In the summer semester of 2022, the Institute of Educational Science will again offer free workshops (probably online) on digital media in the classroom for student teachers and active teachers. The topics are explanatory videos, cyberbullying, fake news, hate speech, and gamification.

**Target group:** active teachers, student teachers

**Web:** https://t1p.de/5e14

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**26 April 2022, 6 to 7 pm**

**Math Didactics Presentation Series**

„Grünere Reihe“:

**Functional thinking as a link and foundation of (school) algebra**

In the lecture by Prof. Dr. Jürgen Roth from the University of Koblenz-Landau, it will be worked out that functional relationships between quantities not only play a decisive role in all areas of life, but are in particular the link between the subject strands (terms, functions and equations) and the foundation of (school) algebra. In addition, Prof. Roth uses his research results to show how functional thinking can be promoted with the help of experimentation.

The lecture will take place online via Zoom. The access data will be published on the web-site in mid-April.

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

**Web:** https://www.mathematik.rwth-aachen.de/didaktik-vortragsreihe

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**„May Thursdays“:**

5, 12 and 19 May and 2 June 2022,

6 to 7:30 pm each day

**Mathematics for the World - ABCMMaths Project Lecture Series**

Mathematics didacticians from the universities of Aachen, Bonn, Cologne and Mainz are starting a joint teacher training project with this series of lectures at RWTH Aachen University. The role of mathematical education is to be re-examined against the background of current challenges facing humanity. Conceptually, multi-perspectivity and the duality of the participants play a central role:

- 5 May: Prelude by Johanna Heitzer (AC) and Thoralf Räsch (BN),
- 12 May: Lectures by Rainer Kaenders (BN) and Ysette Weiss (MZ),
- 19 May: Lectures by Michael Meyer und Benjamin Rott (both K),
- 2 June: Reflective final round with all participants

Lectures will be offered hybrid from lecture hall H07 in the C.A.R.L.

**Target audience:** mathematics teachers, students, didacticians, interested public

www.mathematik.rwth-aachen.de/go/id/ttoxw

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Accompanying the school year
School-university project iMPACt
The school-university project iMPACt for better preparation for the mathematics requirements of STEM courses continues with great success! Thanks to university materials and support, participating schools offer their school leavers additional courses on mathematical structures and areas of application that have no place in regular mathematics classes. The final exam is a certificate exam, which will be offered again in 2022.
Examination period: 20 to 31 May 2022
Information and exchange meeting (hybrid): 12 August 2022, 2 to 4 pm. Access data/location will be published on the homepage in due time.
Target audience: school leavers and their mathematics teachers
Web: www.mathematik.rwth-aachen.de/impact
Your contact: Julia Kujat, impact@rwth-aachen.de

Expected as of summer 2022
Unihits for Kids: Visit to the institutes
Re-launch of the Unihits for Kids project, in which school classes or groups (11 to 13 years) can spend a morning visiting a technical or scientific university institute at RWTH. The number of visitable institutes has expanded.
Target audience: teachers and school classes
Web: www.ezw.rwth-aachen.de/go/id/ekph

Please note: all offers in German only

Social Media
facebook.com/RWTHAachenUniversity
twitter.com/RWTH
youtube.com/user/RWTHAachenUniversity
instagram.com/rwthaachenuniversity

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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

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