

THE FUTURE IN A TRAIN

MOBILE EXHIBITION TOURS GERMANY

How will we live in 20 years? What direction are science and technology taking? Which future technologies already exist? The Science Express exhibition, on tour in Germany since April, is dealing with these and many other questions. The 300-metre-long special train presents insights into the world of tomorrow. Twelve themed carriages explore different areas of research, life and work: from the search for the origins of our world and the integration of bio, nano, information and cognitive sciences to the future of medicine, nutrition, mobility and energy.

Multimedia installations, hands-on exhibits and many original objects present current trends in research and development that

will shape our lives up to and beyond the year 2020. The Science Express exhibition train will visit more than 60 cities throughout Germany from April to November. Entrance to the exhibition is free.

The Science Express is a Pass-Station for the expedition pass of the Science Year 2009 – Research Expedition Germany. The science years are an initiative of the Federal Ministry of Education and Research and Wissenschaft im Dialog (Science in Dialogue). The Science Year 2009 – Research Expedition Germany has been organized jointly with the German Academy of Sciences Leopoldina, the Robert Bosch Stiftung and the Stifterverband für die Deutsche Wissenschaft.

COMING TO YOUR CITY SOON STATIONS AND DATES

24.04. Berlin	16.06. – 18.06. Mainz *	16.08. – 18.08. Görlitz	12.10. – 14.10. Cottbus
25.04. – 27.04. Frankfurt (Main)	20.06. – 22.06. Saarbrücken	20.08. – 22.08. Oberhausen	15.10. – 17.10. Greifswald
29.04. – 02.05. Darmstadt *	23.06. – 25.06. Munich	23.08. – 25.08. Kiel	18.10. Stralsund
03.05. – 05.05. Jena/Göschwitz *	26.06. – 28.06. Ludwigshafen	27.08. – 29.08. Braunschweig	19.10. – 20.10. Neubrandenburg
07.05. – 09.05. Oldenburg	29.06. – 30.06. Kaiserslautern	30.08. – 01.09. Hamburg	22.10. – 24.10. Wolfsburg
10.05. – 12.05. Hannover	02.07. – 04.07. Karlsruhe *	03.09. – 05.09. Bremen *	25.10. – 27.10. Bremerhaven
14.05. – 16.05. Aachen *	05.07. – 07.07. Stuttgart	06.09. – 08.09. Magdeburg	28.10. – 29.10. Schwerin
17.05. – 19.05. Dortmund	09.07. – 11.07. Basel/Badischer Bhf.	10.09. – 12.09. Essen	30.10. – 31.10. Rostock
21.05. – 23.05. Münster (Westf.)	12.07. – 14.07. Nuremberg *	13.09. – 15.09. Wuppertal	02.11. – 04.11. Kassel
24.05. – 26.05. Neuss	16.07. – 18.07. Ingolstadt	17.09. – 19.09. Dresden *	05.11. – 07.11. Limburg a. d. Lahn
28.05. – 30.05. Cologne	19.07. – 21.07. Freiburg (Breisgau)	20.09. – 22.09. Bamberg	08.11. – 10.11. Wiesbaden
31.05. – 02.06. Bonn	22.07. – 23.07. Tübingen	24.09. – 26.09. Bayreuth	12.11. – 14.11. Trier
04.06. – 06.06. Jülich	24.07. – 27.07. Ulm	27.09. – 29.09. Aschaffenburg	15.11. – 17.11. Marburg
07.06. – 09.06. Leverkusen	30.07. – 01.08. Konstanz	01.10. – 03.10. Halle (Saale)	18.11. – 20.11. Kehl
11.06. – 13.06. Göttingen *	09.08. – 11.08. Erfurt	04.10. – 06.10. Heidelberg *	22.11. – 24.11. Berlin
14.06. – 15.06. Worms	13.08. – 15.08. Leipzig	09.10. – 11.10. Potsdam	Subject to change.

Admission: Weekdays 9:00 - 17:00, weekends and public holidays 10:00 - 18:00. For possible local variations in opening times, check www.expedition-zukunft.org. Please note:

Waiting times may vary. * The Robert Bosch Stiftung in cooperation with the German Association of Cities is supporting ten >Scientific Stations< along the route of the train, dedicated to different key topics in research. Darmstadt: Science Venture; Jena: Future Light; Aachen: Energy Life; Göttingen: Perspective on Language; Mainz: Time Travel; Karlsruhe: Challenge of Democracy; Nuremberg/Fürth/Erlangen: Materials Future; Bremen: System Earth; Dresden: Diversity of Life; Heidelberg: Miracle of Man. For information about local activities, please go to www.forschungsexpedition.de.

THE SCIENCE EXPRESS was designed and implemented by a project team from the Max Planck Society and the exhibition organisers ArchiMeDes in Berlin. The exhibition is funded by the Federal Ministry of Education and Research. It is also supported by the Fraunhofer-Gesellschaft, the Helmholtz Association of German Research Centres, the Leibniz Association, the German Research Foundation, numerous universities, the train partners Bayer, Siemens and Volkswagen and other carriage and theme partners. These organisations also provided exhibits and displays.

LEARNING LAB The laboratory in carriage 12 is open to school groups in the mornings. The topics covered in the one-hour workshops include solar energy and are designed for school years 6 to 9 (max. 32 students and one accompanying adult per workshop). The laboratory is open to everyone, especially families with children, in the afternoons and during school holidays. To reserve places, please visit: www.expedition-zukunft.org

TOUR, DATES AND USEFUL CONTACT DETAILS

The Science Express on the Web: www.expedition-zukunft.org

The Science Year on the Web: www.forschungsexpedition.de

MEDIA CONTACT

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EXPEDITION ZUKUNFT SCIENCE EXPRESS



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Wissenschaftsjahr 2009
Forschungs-
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DISCOVER, BE AMAZED, JOIN IN HANDS-ON SCIENCE AND TECHNOLOGY

CARRIAGE 01 SCIENCE EXPRESS Cold War, forest decline, the oil crisis – Germany has had many challenges to face over the past 60 years. So what are the huge tasks that await us and all of humanity at the beginning of the 21st Century?

CARRIAGE 02 FROM WHERE + WHERE TO Our planet is just a speck of dust in a constantly expanding universe that contains billions of galaxies and countless other suns. What gave rise to the Universe and to humankind? Are there any more Earths?

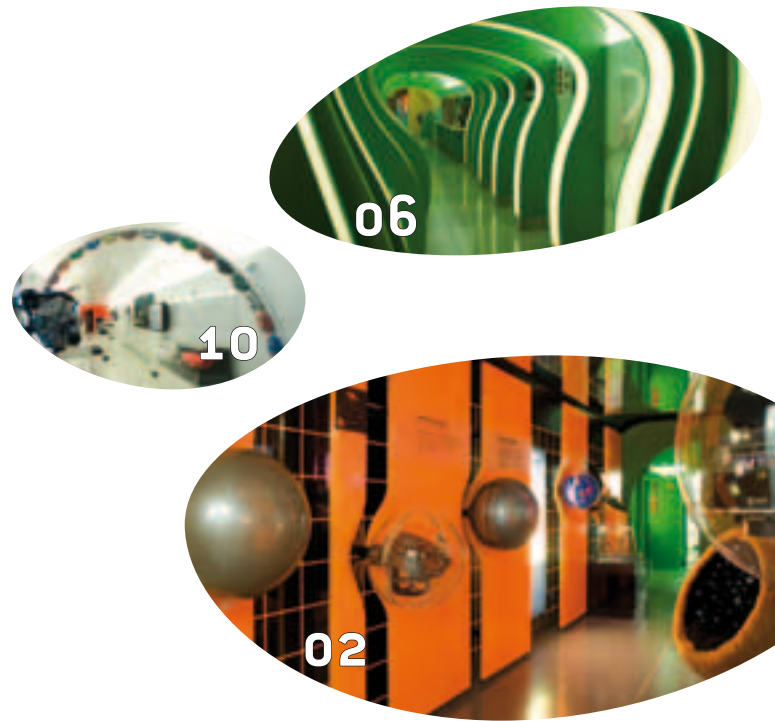
CARRIAGE 05 NETWORKED + GLOBAL The world is moving closer and closer together, into gigantic networked communities that research and work jointly beyond continental boundaries. The Internet is most likely just the start of this process. But will we be able to deal with a fully networked world?

CARRIAGE 06 INTELLIGENT + VIRTUAL Intelligent materials have long ceased to be a distant dream. Many new substances created in laboratories are waiting for an application. But how does an idea become a product? What will the factories of the future look like?

CARRIAGE 07 EFFECTIVE + INDIVIDUAL Many diseases can be cured today, yet some continue to spread unchecked. Will the medical world of the future find an effective way of fighting these and perhaps even be able to stem the process of aging itself?

CARRIAGE 03 BIO + NANO In the nanoworld, where measurements are taken in millionths of millimetres, the boundaries between the biosciences and nanotechnology are becoming blurred. This enables not only highly accurate manufacturing processes but also fascinating insight into the language of our genes.

CARRIAGE 04 INFO + COGNO Our brain is capable of unbelievable feats. Yet we still don't have a full explanation of how it works. Do we just have a super intelligent computer in our heads? Are our thoughts really free? And will machines ever think the way we do?



CARRIAGE 08 HEALTHY + PRODUCTIVE The world's population is growing incessantly with three new inhabitants every second. How will we feed the eight billion people on Earth in the year 2025? The solution could lie not only in innovative cultivation methods, but also in the creation of entirely new foods.

CARRIAGE 09 SUSTAINABLE + EFFICIENT Centuries of unrestricted use of raw materials are drawing to a close. What will replace coal and oil? In the search for new sources of energy, we must face the question of how to supply our needs in the future without destroying the face of the Earth.

CARRIAGE 10 FLEXIBLE + DIGITAL Mankind has never been as mobile as it is today. An increasingly dense infrastructure encircles our planet. This calls for completely new traffic and vehicle concepts and is changing what we call >home<.

CARRIAGE 11 NATURAL. ARTIFICIAL The future of mankind has not yet been written. And yet it is already possible to identify trends and developments today that could shape the next 20 years. What are the new challenges that await us? And how will they change the image we have of ourselves?

CARRIAGE 12 DISCOVER + MARVEL We are the architects of our own fortune - the last carriage therefore needs you to be proactive. An interactive lab offers visitors the opportunity to experience science and technology at first hand and turns the spotlight on innovative technologies for important spheres of life.

