

Career (gender)	Field of work	Curriculum topics				
		Biology	Geography	Chemistry	Physics	Other
NC-machinist (male)	Mechanic and electrical locking systems			Metals		Mathematics: programming, mathematics: efficient use of materials
District manager, mechanical engineer (male)	Electricity, power plant, fuels (peat, wood) and landfill gas			Pyrolysis, environmental issues, sustainable development	Energy, heat, fuels, electricity production, power grid	
Office construction foreman (male)	Water distribution and supplying, water infrastructure and sewerage treatment	Biological purification	Water supply system, water distribution, ground water	Properties of water, chemical purification		
Water service supervisor (male)	Water distribution and supplying, water infrastructure and sewerage treatment	Water biological purification	City planning, water supply system, water distribution	Properties of water, chemical purification		
CEO, physicist (male)	Photonics; optical components				Optics/optical components, refraction, reflection, nanomaterials, nanotechnology	Scientific entrepreneurship
Process specialist (male)	Photonics; optical components				Optics/optical components, refraction, reflection, nanomaterials, nanotechnology	
Development technician (female)	Energy, fuels	Biochemistry	Transportation	Biochemistry, ethanol and other alcohols, fuels	Energy, heat, fuels	
Dentist, plastic surgeon (female)	Healthcare	Human healthcare, human cells, cancer		New medical innovations, medication		Health education

Calibrator (male)	Process technologies, pulp & paper plant systems				Metals, thermal expansion	Mathematics: efficient use of materials, mathematics: measuring and conversion of measuring units
Senior expert in research institute (female)	Research institute, information on forest resources	Ecosystem, biodiversity	Forests	Bioenergy, sustainability		
Software development team leader (male)	Research institute, data bases					ICT: programming, coding
Associate Professor at the Department of Electrical and Computer Engineering, Principle Researcher of the Holistic Electronics Research Laboratory (male)	Implantable biomedical devices, bio-inspired electronics, brain- computer interfaces, circuits and sensors				Electronics	
Professor of Biotechnology and Virology (male)	Human genetics, virology	Genetics				
Company Founder, Managing Director Acoustics Engineer, Consultant (male)	Mechanical engineering, Acoustics				Waves and sound	
Senior Officer for education and research (female)	Environmental Management and Natural resources					Environment

Owner and director of 3MC Trading Company (male)	Environmental Management and Electrical Engineering			Pure and impure substances, Process of combustion	Sink and float	Recycling
Civil Engineer, Transport Planner - Transportation engineer (female)	Civil and Environmental Engineering				Speed and motion	
Seismologist (female)	Geophysics, Seismology, Earthquake seismology, Seismotectonics, seismic tomography		Earthquakes		Theory of elasticity and elastic waves	
Biologist, program manager (female)	Gene bank, crop varieties	Diversity of organisms as a resource; organisms and habitats; agriculture: pests, fertilisers, herbicides & pesticides (future challenges: food, climate change, health, biodiversity)				
Agricultural engineer, CEO and owner of ADDCON (male)	Industry, green chemistry	Enzymes		Thawing salt and its influence on soil and plants, alternative products; chemistry: food additives (leaving agents: ammonium bicarbonate; preservatives: calcium propionate, KTP; improver: enzymes)		

Horticulturalist (Trainee in his last year) (male)	Plant diversity, conservation	Plant diversity; plants and habitats; ecosystems; plant cultivation / horticulture; role of botanic gardens (e.g. Plant conservation; research)				
Medical technical assistant (female)		Immunobiology				
Forest engineer (male)		Ecosystem, biodiversity				
Neuroscientist/phd student at the DZNE Bonn (female)		Neurobiology				
Botanist/phd student at the University of Bonn (male)	Biodiversity, evolution, biogeography, botany	Evolution, biodiversity, biogeography	Biogeography			
Veterinary surgeon (female)	Veterinary medicine	Animals, animal anatomy, animal wellbeing				
Transport engineer (male)	Transport		Transportation			
Principle sustainability advisor (female)	Food and energy systems, sustainable development strategies, climate change	Food and energy	Climate change			
Research scientist (female)	Genetics	Genes				
Inorganic scientist (female)	Water purification			Water purification, insoluble and soluble		

Lab specialist (female)	Molecular diagnostics, Health care, hospital	DNA; RN; genes; heredity; immunology; medicines; PCR method (polymerase chain reaction)	Environmental problems (diseases)	Nucleic acid; proteins; enzyme; Polymeras; chemical reactions	Chain reactions; laboratory work	Informatics; Technology;
Head of Department (female)	Geoinformatics, mapping, topographical data and maps	Mapping of diseases	spatial data; maps; topography; geographic features; natural geography	Mineral resources, chemical properties	Measurements, physical quantities	Informatics (geoinformatics); mathematic (spatial data);
Lecturer (female)	Healthcare	Health, environment, food,	health system	Conducting analysis; food; oil	Precautions (lab safety)	Economics (laws; management, projects); Social science
Director and Associate Professor (male)	Space program, optical metrology, standardization	Observation, experimentation, bioengineering, astrobiology,	Geographical space; Cartography; spatial planning; airspace	Objects, spatial analysis,	Space; spatial measurements; optics; laws of physics; cosmology	Mathematic; Technology; Philosophy (philosophy of space)