**Science and industry**

**science**

sciences × humanities, sciences – astronomy, geography, geology, biology, botany - botanika, genetics, chemistry, mathematics, physics, computer science

astronomy : astronomer, black hole, constellation – souhvězdí, eclipse, galaxy, orbit , solar system, planets – Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus , Neptune, space research, the Earth revolves around the Sun, launch into orbit – vypustit na oběžnou dráhu, space exploration

geography: equator, latitude, longitude, northern / southern hemisphere, Capricorn

biology: GM genetically modified, GMO- genetically modified organisms, genetics, genetic code, structure of DNA, cell

chemistry: chemical compound - sloučenina, chemical reaction, chemist, element-prvek, molecule, periodic table, split the atom, solution-roztok, test tube, acid, epidemic

mathematics : mathematician, equation – rovnice, quadratic equation, multiplication table, add - sčítat, addition, multiply - násobit, multiplication, subtract - odčítat, subtraction, divide - dělit, division

physics : atom, electron, gravity, negative, positive charge – nabití, physicist, quantum theory, the speed of light, velocity-rychlost, velocity of light

**scientists at work**

area of research - oblast výzkumu, scientist, scientific, scientifically, scientific development, advances, scientific breakthrough - významný objev, achievements - vymoženosti, scientific progress, develop - vyvinout, discover - objevit, discovery, hypothesis, survey - průzkum, analyse findings, analysis, examine, study, explore, evidence - důkaz, carry out an experiment, collaborate on a project, demonstrate, do research, researcher, research laboratory, sample- vzorek, investigate, try- out, prove, statistical data, publish a report/study, apply, patent, reject an idea – zamítnout

**inventions/discoveries**

invent, inventor, invention, gadget - důmyslný přístroj, šikovná věcička, wheel, iron, gunpowder, steam engine - parní stroj, spinning jenny - spřádací stroj, electric bulb, lightning conductor-hromosvod, petrol driven cars, engine - motor, assembly line- montážní linka/běžící pás, mass production, aircraft, radar, radio, television, telephone, X-ray machine, penicillin, antibiotics, pasteurization, contact lens, test-tube babies, birth-control pills, printing press, photography, laser, compact disc, blood groups, computer, world wide web

**computing**

computer literate, computer illiterate, PC – personal computer, palmtop, laptop, mouse, mouse pad, keyboard, VDU- video display unit = monitor, LCD – liquid crystal display, printer, scanner, flash drive, floppy disk –disketa, hardware, software, RAM – random access memory, installation, pre-installed, toolbar – panel nástrojů, spreadsheets (e.g.Excel),

modem, internet access, on-line, browser – prohlížeč, search engine (e.g.Google), surf the internet, log on to the Internet, log out, broadband, blog, download, upload, firewall, virus, bug, hacker, my computer crashed, www-world wide web, http-hypertext transfer protocol, web page, sites, chat room, web cam

scroll up / down the page, make a back – up copy – zálohovat, run a program, highlight part of the text, click on an icon, drag the icon, burn data to a CD, open, close, copy and paste – kopírovat a vložit, delete, save as, cut – vyjmout, print, insert a flash drive, a presentation slide show (e.g. Powerpoint), photoediting, word processing (e.g. Microsoft Word)

**industry**

key industry, primary industry (extraction of the raw material from the earth) : agricultural industry, fishing industry, mining, forestry industry

energy, energy production, coal, natural gas, oil, ore – ruda, fuel – palivo raw material – surovina, steel - ocel, mines, miners, deposit – ložisko, renewable energy – solar, wind , tidal power, solar panels, wind turbines, wind farms, power station, nuclear power plant, factory,

secondary industry ( converting the raw material into finished goods): chemical industry, textile industry, building industry, metallurgy, wood-processing industry, pharmaceutical , food industry, automobile industry

tertiary industry (involved in public service): banking, health services, education, delivery services, product, production, manufacturing

**banking**

bank, bank clerk, bank tiller, bank note, coins, change, exchange money, exchange rate, cheque book, current account - běžný účet, open a current account, term deposit account - termínovaný účet, money transfer - převod peněz, interest rate - úroková sazba, offer one of the lowest interest rates on the market , pay interest, deposit money, withdraw money, withdrawal, credit card, debit card - debetní karta, take out cash from a cash machine/cash point, ATM- automatic teller machine - bankomat, take a personal loan, apply for a loan - žádat o půjčku, mortgage - hypotéka, take a mortgage , invest (in stocks, shares, bonds) - investovat ( do akcií, dluhopisů )