

Engineering Workshop wordlist

Notes – Poznámky

[C] countable	počítatelné podst. jméno
[U] uncountable	nepočítatelné podst. jm.
[pl] plural	množné číslo
[sg] singular	jednotné číslo
<i>adj</i> adjective	přídavné jméno
<i>adv</i> adverb	příslovce
<i>noun</i>	podstatné jméno
<i>phrasal verb</i>	frázové sloveso
<i>prep</i> preposition	předložka
<i>verb</i>	sloveso
<i>op.</i> opposite	slovo opačného významu
informal	neformální

A

absolute zero *noun* [U] the lowest temperature possible (-273.15°C) absolutní nula

accurate *adj* exact and correct přesný

across *adv, prep* from one side of sth to the other napříč, přes

adjustable *adj* that can be moved into different shapes or positions nastavitelný, posuvný

advantage *noun* 1 [C] something that may help you to do better than other people výhoda 2 [C,U] something that helps you or that will bring you a good result prospěch

aerial *noun* [C] a long metal stick that receives radio or television signals anténa

aeronautical *adj* connected with aircraft letecký

aeroplane *noun* [C] a vehicle with wings and engines that can fly letadlo

alloy *noun* [C, U] a metal formed by mixing two metals together, or by mixing metal with another substance slitina

aluminium *noun* [U] a light silver-coloured metal hliník

amp *noun* [C] (abbr A) a unit for measuring electrical current ampér

analysis *noun* [C,U] careful examination analýza, rozbor

antenna *noun* (US) = aerial anténa

apex *noun* [usually sing] the top or highest part of sth vrchol

applicant *noun* [C] a person who makes a formal request for sth, (**applies for sth**), especially a job, a place at a college, university, etc. žadatel/ka, uchazeč/ka ► **application** *noun* [C,U] žádost, přihláška ► **apply** *verb* žádat, ucházet se

appointment *noun* [C,U] an arrangement to see sb at a particular time schůzka

apprentice *noun* [C] a person who works for low pay in order to learn the skills needed in a particular job učeň/učnice

architect *noun* [C] a person who designs buildings architekt/ka

architecture *noun* [U] 1 the study of designing and making buildings architektura 2 the style or design of buildings stavební sloh

area *noun* [C,U] the size of a surface rozloha, plocha

around *adv, prep* on all sides; forming a circle dokola, kolem

asphalt *noun* [U] a thick black substance that is used for making the surface of roads asfalt

assembly line *noun* [C] a line of people and machines in a factory that fit the parts of sth together in a fixed order motázní linka/pás

automatic *adj* (used about a machine) that can work by itself without direct human control automatický, samočinný ► **automatically** *adv* automaticky, samočinně

automobile *adj* connected with cars and the manufacture of cars automobilový

B

bandwidth *noun* [C,U] a measurement of the amount of information that a particular computer network or Internet connection can send in a particular time šířka pásma

bar chart *noun* [C] a diagram that uses narrow bands of different heights to show different amounts sloupcový diagram

bascule bridge *noun* [C] a type of bridge with a section that can be lifted up zvedací, sklápěcí, sklopný most

base sth on sth *phrasal verb* to form or develop sth from a particular starting point or source čerpat/vycházet z čeho

battery *noun* [C] a device which produces electricity baterie

benefit *noun* [C,U] an advantage or useful effect that sth has prospěch

beware *verb* **beware (of sb/sth)** (used for giving a warning) (be) careful dávat si pozor na

Biro™ *noun* [C] a type of pen kuličkové pero

boiling point *noun* [C] the temperature at which liquid starts to boil bod varu

bore *verb* to make a long deep hole in sth with a tool vrtat, provrtat

boring *adj* not at all interesting; dull nudný

bottom *noun* [C, usually sing] the lowest part of sth dno

brass *noun* [U] a hard yellow metal that is a mixture of copper and zinc mosaz

break *verb* to separate into pieces rozbít, rozlomit, zlomit

bridge *noun* [C] a structure that carries a road or railway across a river, valley, road or railway most

build *verb* to make sth by putting pieces, materials, etc. together (vy)stavět

C

cable *noun* [C,U] a set of wires covered with plastic, etc. for carrying electricity or signals kabel

cabing *noun* [U] all the cables that are required for a particular piece of equipment or a particular system zasilování, kabeláž

calculation *noun* [C,U] finding an answer using mathematics výpočet, kalkulace

CAM *abbr* computer-assisted manufacturing; the use of computers to control industrial processes výroba řízená počítači, výroba pomocí počítače

canal *noun* [C] an artificial waterway made through land so that boats or ships can travel along it kanál

capacity *noun* [sing, U] the amount that a container or space can hold nosnost

cardboard *noun* [U] very thick paper that is used for making boxes, etc. lepenka, kartón

casing *noun* [C, U] a covering that protects sth obal, kryt, plášť, opouzdrnění, bednění

Celsius *adj* (abbr C) of or using a scale of temperature in which water freezes at 0° and boils at 100° Celsiův

cement *noun* [U] a grey powder that becomes hard after it is mixed with water and left to dry cement

census *noun* [C] an official count of the population sčítání obyvatelstva

centimetre *noun* [C] (abbr cm) one hundredth of a metre centimetr

centre *noun* [C, usually sing] the middle point or part of sth střed, střední část

certificate *noun* [C] an official piece of paper that says that sth is true or correct osvědčení, potvrzení, vysvědčení

chemical engineering *noun* [U] the study of the design and use of machines in industrial chemical processes chemická technologie ► **chemical engineer** *noun* [C] inženýr chemické technologie

chemist *noun* [C] a specialist in chemistry chemik

chemistry *noun* [U] the scientific study of the structure of substances and what happens to them in different conditions or when mixed with each other chemie

civil engineering *noun* [U] the design, building and repair of roads, bridges, canals, etc.; the study of this as a subject stavební inženýrství

classic *adj* important and having a value that will last klasický, tradiční, důležitý

clean *adj* 1 not dirty čistý 2 not showing or having any record of doing sth that is against the law: *a clean driving licence* nemající záznam o přestupku, s čistým rejstříkem: řidičský průkaz bez záznamu

clear *adj* easy to see through (**opposite:** **opaque**) čirý, průzračný, průhledný

clockwork *noun* [U] a type of machinery that you operate by turning a key which winds up a spring and produces energy hodinový stroj

CNC *abbr* computer numerical control; the use of digital computer techniques to control a manufacturing process, especially the machines and tools involved in this process zařízení ovládané počítačem

collapse *verb* to fall down or break into pieces suddenly kolaps, náhlý rozpad

column *noun* [C] a tall solid vertical post that supports or decorates a building sloup

combine *verb* to join or mix kombinovat, spojovat

communications *noun* [U, also pl] methods of sending information, especially telephones, radio, computers, etc. or roads and railways komunikace, komunikační technologie

component *noun* [C] one of several parts of which sth is made komponent, díl, dílec, složka, součástka

compound *noun* [C] something that consists of substances combined together směs, sloučenina

compress *verb* to make sth fill less space than usual stlačit

compressed-air *adj* using air under pressure as energy to drive machines and tools pomocí stlačeného vzduchu

computer *noun* [C] an electronic machine that can store, find and arrange information, calculate amounts and control other machines počítač

connect *verb* to join spojit, spojovat

consistent *adj* always having the same opinions, standard, behaviour, etc.; not changing stálý, konsistentní

construction *noun* [U] the act or method of making sth or building sth konstrukce, stavba, objekt

contact *noun* [U] (**contact (with sth)**) the state of touching sth styk (s)

continuous assessment *noun* [U] a system of giving a student a final mark based on work done during a course of study rather than on one exam průběžné (o)hodnocení

contract *verb* to become or to make sth smaller or shorter smrštit, zmenšit, zkrátit (se)

convert *verb* to change sth from one form, system or use to another přeměnit, přejít na, změnit v

cool *adj* (*slang*) very good or fashionable super, skvělý, moderní, vynikající

copper *noun* [U] a common reddish-brown metal měď

corner *noun* [C] a place where two lines, edges, surfaces or roads meet roh

corrosive *adj* tending to destroy sth slowly by chemical action korozní, ničivý, leptavý, žíravý

course *noun* [C] a complete series of lessons or studies kurz

covering letter *noun* [C] a letter containing extra information průvodní dopis

crack *verb* to break or to make sth break so that a line appears on the surface, without breaking into pieces prasknout

craftsman *noun* [C] a person who makes things skilfully, especially with his/her hands řemeslník

cubic *adj* (*abbr* cu) used to show a measurement of volume (= height 5 length 5 width) krychlový, kubický, objemový

cure *verb* to make sb healthy again after an illness (vy)léčit

curie *noun* [C] (*abbr* Ci) a unit for measuring radioactivity curie

curriculum vitae *noun* [C] (*abbr* CV) a written record of your education and employment životopis

cycle *noun* [C] the fact of a series of events being repeated many times, always in the same order cyklus, koloběh

D

dam *verb* to build a wall across a river to hold back the water přehradit

decimal *noun* [C] a number less than one desetinné (číslo)

decimal point *noun* [C] a dot or point used to separate a whole number from the tenths, hundredths, etc. of a decimal, for example in **0.61** desetinná čárka (tečka)

defensive *adj* that protects sb/sth from attack obranný

define *verb* to explain the exact nature or meaning of sth clearly definovat, stanovit, určit

deflect *verb* to change direction after hitting sb/sth; to make sth change direction in this way odklonit, odchýlit, usměrnit

degree *noun* [C] a measurement of angles stupeň

deliver *verb* to take sth to the place requested doručit

description *noun* [C] a picture of sb/sth in words popis

design *verb* 1 to plan and make a drawing of how sth will be made nakreslit, narýsovat 2 to invent, plan and develop sth for a particular purpose konstruovat, navrhnout ► **design** *noun* [C] návrh, náčrtek, design

designer *noun* [C] a person whose job is to make drawings or plans showing how sth will be made návrhář, designer, konstruktér, umělec

desktop *noun* [C] a computer screen on which you can see symbols (**icons**) showing the programs, information, etc. that are available plocha na monitoru (počítače)

detail *noun* [C, U] one fact or piece of information detail

develop *verb* 1 to grow slowly, increase or change into sth else; to make sth do this rozvíjet, stavět, budovat 2 to think of or produce a new idea, product, etc. and make it successful vyvíjet 3 to begin to have a problem or disease; to start to affect sb/sth vyvíjet, rozvíjet ► **development** *noun* [U,C] vývoj, rozvinutí

developer *noun* [C] a person or company that designs and creates new products vývojář/ka, projektant/ka

device *noun* [C] a tool or piece of equipment zařízení, nástroj

diagonal *adj* (used about a straight line) joining two opposites sides of sth at an angle that is not 90° or vertical or horizontal úhlopříčný, diagonální

diagram *noun* [C] a simple picture that is used to explain how sth works or what sth looks like diagram, schéma, náčrt

diameter *noun* [C] a straight line that goes from one side to the other of a circle, passing through the centre průměr

diamond *noun* [C, U] a hard, bright, precious stone diamant

difficult *adj* not easy to do or understand obtížný

dimension *noun* [C, U] a measurement in space; for example, the length, width or height of sth rozměr, dimenze, kóta ► **dimensional** (used to form compound adjectives) having the number of dimensions mentioned rozměrový, mající rozměr

diploma *noun* [C] (**a diploma (in sth)**) a certificate for completing a course of study diplom

disadvantage *noun* [C] something that is not good or that causes problems nevýhoda

disaster *noun* [C] an event that causes a lot of harm or damage katastrofa

disconnect *verb* 1 to stop a supply of electricity, etc. going to a piece of equipment or a building odpojit, vypnout 2 to separate sth from sth else vysunout, oddělit

disposal *noun* [U] the act of getting rid of sth likvidace, odstranění

distance *noun* [C,U] the space between two places or things vzdálenost

divide *verb* **divide (sth) (up) (into sth)** to separate (sth) into different parts (roz)dělit (něco) (na něco)

drawing board *noun* [C] a board used for holding a piece of paper while a drawing or plan is being made *řísovací prkno*

driving licence *noun* [C] a certificate that proves you have taken a test and are able to drive a car, etc. *řidičský průkaz/oprávnění*

duct *noun* [C] a tube for carrying liquid, gas, electric or telephone wires *vedení, roura, kanál*

E

ear defenders *noun* [pl] pieces of soft material that you put over your ears to keep out noise *sluchátka, ušní chrániče*

earphones *noun* [pl] a piece of equipment that fits over or in the ears and is used for listening to music, the radio, etc. *sluchátka*

easy *adj* not difficult *snadný* ► **easily** *adv* *snadno*

efficiently *adv* well and thoroughly with no waste of time, money, or energy *efektivně*

electrical *adj* of or about electricity *elektrický, elektrotechnický*

electrical engineering *noun* [U] the design and building of machines and systems that use or produce electricity; the study of this subject *elektroinženýrství, elektrotechnika*

electrical resistance *noun* [C,U] the fact of a substance not allowing electricity to flow through it; a measurement of this *elektrický odpor*

electricity *noun* [U] a type of energy that we use to make heat, light, and power to work machines, etc. *elektřina*

electrodynamics *noun* [U] the scientific study of the forces involved in the movement of electricity *elektrodynamika*

electromagnetic *adj* (in physics) having both electrical characteristics and the ability to attract metal objects *elektromagnetický*

element *noun* [C] one of the simple chemical substances, eg iron *prvek*

energy *noun* [U] the power used for driving machines, etc. *energie*

engineer *noun* [C] a person whose job is to design, build, or repair engines, machines, etc. *inženýr, technik, strojník*

engineering *noun* 1 the activity of applying scientific knowledge to the design, building and control of machines, roads, bridges, electrical equipment, etc. *inženýring* 2 [U] the study of this subject *inženýrství*

enquiry *noun* [C] 1 a question *dotaz, otázka* 2 an official process to find out the cause of sth *vyšetřování, pátrání*

environment *noun* [C, U] the conditions that affect the behaviour and development of sb/sth; the physical conditions that sb/sth exists in *životní prostředí*

environmentally-friendly *adj* (used about products) not harming the natural world *ekologicky přijatelný, šetrný k životnímu prostředí*

equipment *noun* [U] the things that are needed to do a particular activity *vybavení*

ergonomically *adj* in a way that is designed to help people's working conditions and to help them work more efficiently *ergonomicky*

estimate *verb* to calculate the size, cost, etc. of sth approximately *odhadnout, určit odhadem*

evaluate *verb* to study the facts and then form an opinion about sth *zhodnotit, ocenit, odhadnout*

everyday *adj* used or happening every day or regularly; normal *každodenní, všední*

expand *verb* to become or to make sth bigger *zvětšit, rozšířit*

experience *noun* [U] the things that you have done in your life *zážitek; the knowledge or skill that you get from seeing or doing sth* *zkušenost, praxe*

expertise *noun* [U] a high level of special knowledge or skill *odborná znalost, odbornost*

explosive *adj* easily able or likely to explode *explozivní, třaskavý*

F

factory *noun* [C] a building or group of buildings where goods are made by machine; *továrna, výrobní závod*

fantasy *noun* [C,U] a product of your imagination *fantazie*

fashionable *adj* popular *moderní, oblíbený*

fitting *noun* [U] the act of putting or fixing sth somewhere *instalace, montáž, přizpůsobení*

fixed *adj* staying the same; not able to be moved or changed *přípevněný na stálo, stálý*

flammable *adj* able or likely to burn easily *hořlavý, zápalný, vznětlivý*

flexible *adj* able to bend or move easily without breaking *pružný, ohebný*

foil *noun* [U] metal that has been made into very thin sheets, used for putting around food *folie, staniol*

fold *verb* to bend one part of sth over another part in order to make it smaller, tidier, etc. *přehýbat, překládat* ► **fold** *noun* [C] *ohyb*

force *noun* 1 [U] physical strength or power *síla* 2 [C,U] a power that can cause change or movement *síla, moc*

formal *adj* serious or official *formální, oficiální*

foundation course *noun* [C] a general course at a college that prepares students for longer or more difficult courses *základní kurz*

frequency *noun* [C,U] the rate at which a sound wave or radio wave moves up and down (**vibrates**) *frekvence, kmitočet*

fuel consumption *noun* [U] the act of using heat or power (**fuel**); the amount used *spotřeba paliva*

G

gadget *noun* [C] a small device, tool or machine that has a particular but usually unimportant purpose *přístroj, strojní součástka, mechanismus*

generation *noun* 1 [C] all the people in a family, group or country who were born at about the same time *generace* 2 [U] the production of sth, especially heat, power, etc. *výroba* 3 [C, usually singl] a stage in the development of a product, usually a technical one *generace, tvorba, tvoření, vývin*

generator *noun* [C] a machine that produces electricity *generátor, dynamo*

girder *noun* [C] a long heavy piece of iron or steel that is used in the building of bridges, large buildings, etc. *nosník*

goggles *noun* [pl] special glasses that you wear to protect your eyes from water, wind, dust, etc. *ochranné brýle*

gram *noun* [C] (abbr g) a measure of weight. There are 1,000 grams in a kilogram *gram*

grind *verb* to make sth sharp or smooth by rubbing it on a rough hard surface *brousit, ostřit*

guillotine *noun* [C] a machine used for cutting paper *řezačka na papír*

H

half *noun* [C] (symbol 1/2) one of two equal parts of sth *polovina*

hand-drawn *adj* drawn or done by a person and not by machine *nakreslený/narýsovaný ručně*

handle *verb* to touch, hold or move sth with your hands *uchopit, ovládat, zacházet s něčím (ručně)*

handmade *adj* made by a person using his/her hands *ručně vyráběný, ručně dělaný*

hard *adj* not soft to touch; not easy to break or bend (**opposite: soft**) *tvrďý, pevný*

hard hat *noun* [C] a protective hat *ochranná přilba*

hear *verb* to receive sounds with your ears *slyšet* ► **hearing** *noun* [U] *sluch*

heavy *adj* weighing a lot; difficult to lift or move (**opposite: light**) *těžký*

height *noun* [C,U] the measurement from the bottom to the top of a person or thing *výška*

hertz *noun* [C] (abbr Hz) a unit for measuring the frequency of sound waves *hertz*

highly-skilled *adj* (used about work, a job, etc.) needing a lot of skills or skill; done by people who have been trained to a high degree vysoce/dobře kvalifikovaný

HooverTM *noun* [C] a machine that sucks up the dirt vysavač

horizontal *adj* going from side to side, flat or level horizontální, vodorovný

human error *noun* [C, U] a mistake made by a person lidská chyba

I

identical *adj* exactly the same as; similar in every detail identický, jednotný, shodný

ignite *verb* to start burning or to make sth start burning zapálit, vznítit

illegal *adj* not allowed by the law ilegální, nezákonný

image *noun* [C] 1 a copy or picture of sb/sth obraz, snímek 2 the general impression that a person, an organization, etc. gives to the public image, dojem

imagination *noun* 1 [U, C] the ability to create mental pictures or new ideas imaginace, představivost, obrazotvornost 2 [C] the part of the mind that uses this ability imaginace, představivost, fantazie

implant *noun* [C] something put into the body in a medical operation implantovat

increase *verb* to become or to make sth larger in number or amount zvětšit, rozšířit

industrial *adj* connected with industry průmyslový, industriální

industry *noun* [U] the production of goods in factories průmysl

informal *adj* relaxed and friendly or suitable for a relaxed occasion neformální

injure *verb* to hurt or harm sb physically zranit

interesting *adj* enjoyable and entertaining; holding your attention zajímavý, poutavý

interference *noun* [U] extra noise that prevents you from receiving radio, TV, or phone signals clearly rušení

interview *noun* [C] a meeting to find out if sb is suitable for a job, course of study, etc. rozhovor, pohovor

invention *noun* [C] a thing that has been made or designed by sb for the first time vynález, objev ► **inventor** *noun* [C] vynálezce, tvůrce

iron *noun* [U] (symbol Fe) a hard strong metal that is used for making steel and is found in small quantities in food and blood železo

J

JacuzziTM *noun* [C] a special bath in which powerful movements of air make bubbles in the water Jacuzzi, perličková koupel

jet *noun* [C] a fast modern plane tryskové letadlo, tryskáč

joule *noun* [C] (abbr J) a unit of energy or work joule, džaul

K

kelvin *noun* [C, U] (abbr K) a unit for measuring temperature kelvin

kettle *noun* [C] a container with a lid, used for boiling water varná konvice

key skill *noun* [C] a particular ability or type of ability klíčová schopnost/dovednost

keyboard *noun* [C] the set of keys on a computer, etc. klávesnice

kill *verb* to make sb/sth die zabít

kilogram *noun* [C] (abbr kg) a measure of weight kilogram

kilometre *noun* [C] (abbr k, km) a measure of length or distance kilometr

L

labourer *noun* [C] a person whose job involves hard physical work outdoors nádeník, dělník, pracovník

lathe *noun* [C] a machine that shapes pieces of wood or metal by holding and turning them against a fixed cutting tool soustruh

leather *noun* [U] the skin of animals which has been specially treated kůže

length *noun* [C] the size of sth from one end to the other délka

lens *noun* [C] a curved piece of glass that makes things look bigger, clear, etc. when you look through it čočka

light(1) *adj* not weighing a lot; easy to lift or move (**opposite: heavy**) lehký

light(2) *noun* [U, C] the energy from the sun, a lamp, etc. that allows you to see things světlo

lighting *noun* [U] the quality or type of lights used in a room, etc. osvětlení

liquid *noun* [C, U] a substance, for example water, that is not solid or a gas and that can flow or be poured tekutina

listen *verb* to pay attention to sb/sth in order to hear him/her/it poslouchat

litre *noun* [C] (abbr l) a measure of liquid litr

local *adj* of a particular place (near you) místní

look *verb* to turn your eyes in a particular direction (in order to pay attention to sb/sth) podívat se

loosen *verb* to become or make sth less tight povolit, uvolnit

M

mains *noun* [pl] the place where the supply of gas, water or electricity to a building starts; the system of providing these services to a building hlavní přívod

maintenance *noun* [U] keeping sth in good condition údržba

manufacture *noun* [U] the fact of making sth in large quantities using machines výroba ► **manufacturing** *noun* [U] výroba ► **manufacturer** *noun* [C] výrobce, tovární závod

material *noun* [C, U] a substance that can be used for making or doing sth materiál, surovina, hmota

mathematician *noun* [C] an expert in mathematics matematik

mathematics *noun* [U] the science or study of numbers, quantities, or shapes matematika

measurement *noun* 1 [C] a size, an amount, etc. that is found by measuring sth míra, rozměr 2 [U] the act or process of measuring sth měření

mechanical engineering *noun* [U] the study of how machines are designed, built, and repaired strojírenství, strojní inženýrství

mechanism *noun* [C] a set of moving parts in a machine that does a certain task mechanismus, ústrojí, zařízení

medical *adj* connected with medicine and the treatment of illness lékařský, zdravotnický

memory *noun* [C, U] 1 a person's ability to remember things paměť 2 the part of a computer where information is stored; the amount of space in a computer for storing information paměť

mend *verb* to repair sth that is damaged or broken stavit, opravit

metal *noun* [C, U] a type of solid substance that is usually hard and shiny and that heat and electricity can travel through kov

methodical *adj* having or using a well-organized and careful way of doing sth metodický, soustavný

metre *noun* [C] (abbr m) a measure of length; 100 centimetres metr

micrometre *noun* [C] one millionth of a metre mikrometr

mild steel *noun* [U] a strong hard material, made from a mixture of iron and carbon měkká ocel

millilitre *noun* [C] (abbr ml) one thousandth of a litre mililitr

million *noun* [C] 1,000,000 milión

mining *noun* [U] the process of getting coal and other minerals from under the ground; the industry involved in this těžba

model *noun* [C] a copy of sth that is usually smaller than the real thing model

modern *adj* with all the newest methods, equipment, designs, etc. moderní
monitor *noun* [C] a screen that shows information from a computer obrazovka, monitor
mouse *noun* [C] a piece of equipment, connected to a computer, for moving around the screen and entering commands without touching the keys myš
movable *adj* that can be moved (opposite: fixed) pohyblivý

N

naturally *adv* in a way that is relaxed and normal přirozeně
newspaper article *noun* [C] a piece of writing in a newspaper novinový článek
newton *noun* [C] (abbr N) a unit for measuring force newton
nickel *noun* [U] (symbol Ni) a hard silver-white metal nikl
nuclear *adj* using, producing or resulting from the energy that is produced when the central part (**nucleus**) of an atom is split jaderný, nukleární
nylon *noun* [U] a very strong man-made material nylon

O

ohm *noun* [C] (symbol Ω) a unit for measuring electrical resistance ohm
opaque *adj* that you cannot see through (opposite: clear) matný, neprůhledný
opener *noun* [C] a tool that opens sth or takes the lid, etc. off sth otvírák
operator *noun* [C] a person whose job is to work a particular machine or piece of equipment operátor, obsluha
optical fibre *noun* [C,U] a thin glass thread through which light can be sent (transmitted) optické vlákno
organized *adj* arranged or planned in the way mentioned zorganizovaný
original *adj* made or created first, before any copies or changes were made originální

P

parachute *noun* [C] a piece of equipment that is tied to a person and that opens and lets him/her fall to the ground slowly when he/she jumps from a plane padák
particular *adj* used to emphasize that you are talking about one person, thing, time, etc. and not about others jednotlivý, zvláštní, speciální
pascal *noun* [C] (symbol Pa) a unit of pressure equal to one newton per square metre pascal
pass (an exam) *verb* to achieve the necessary standard in an exam, a test, etc. udělat/úspěšně složit zkoušku

patience *noun* [U] the quality of being able to stay calm and not get angry, especially when you have to wait a long time trpělivost
patient *noun* [C] a person who is receiving medical treatment pacient
peaceful *adj* calm and quiet mírumilovný
per *prep* for each ze, za, pomocí
per cent *noun* [C] (symbol %) one part in every hundred procento
perfect *adj* completely good; without faults or weaknesses perfektní
personality *noun* [C,U] the different qualities of a person's character that make him/her different from other people osobnost
petrochemical *noun* [C] any chemical substance obtained from petroleum oil or natural gas chemikálie z ropy, petrochemikálie
petroleum *noun* [U] mineral oil that is found under the ground or the sea and is used to produce petrol ropa
physicist *noun* [C] an expert in physics fyzik
physics *noun* [U] the scientific study of natural forces fyzika
pie chart *noun* [C] a diagram consisting of a circle divided into parts to show the size of particular parts in relation to the whole výšečový graf
pier *noun* [C] a large structure that is built in the sea or a river to support a bridge where it crosses the water pilíř
pilot *noun* [C] a person who flies an aircraft pilot
pioneer *noun* [C] a person who is one of the first to develop an area of human knowledge, culture, etc. průkopník
plant *noun* [C] a factory or place where power is produced or where an industrial process takes place elektrárna, průmyslový podnik
plastic *noun* [C, U] a light, strong material that is made with chemicals and is used for making many different sorts of objects umělá hmota, plast
► **plastic** *adj* umělohmotný, plastický
plug *noun* [C] sth which connects a piece of electrical equipment to the electricity supply zástrčka, konektor
plug sth in *phrasal verb* to connect a piece of electrical equipment to the electricity supply or to another piece of equipment zapojit, strčit do zásuvky
point *noun* [C] the thin sharp end of sth hrot
polymer *noun* [C] a compound consisting of large groups of atoms (**molecules**) made from combinations of small simple molecules polymer
population *noun* [C,U] the number of people who live in a particular area, city or country populace, obyvatelstvo
power(1) *noun* [U] energy that can be collected and used for operating machines, making electricity, etc. zdroj, energie

power(2) *verb* to supply energy to sth to make it work napájet, hnát
practical *adj* 1 concerned with actually doing sth rather than with ideas or thought praktický, prakticky zaměřený
2 very suitable for a particular purpose; useful užitečný
precision *noun* [U] the quality of being clear or exact přesnost
prepare *verb* to get ready or to make sb/sth ready připravit
prevent *verb* (**prevent sb/sth (from) (doing sth)**) to stop sth happening or to stop sb from doing sth zabránit (někomu/něčemu), (aby něco dělal)
printer *noun* [C] a machine that prints out information from a computer onto paper tiskárna
process *noun* [C] a series of actions that you do for a particular purpose proces, postup
produce *verb* 1 to make sth to be sold, especially in large quantities produkovat, vyrábět 2 to cause a particular effect or result způsobit, vyprodukovat ► **production** *noun* [C] produkce, výroba
project *noun* [C] a piece of work that is planned and organized carefully projekt, návrh
property *noun* [C, usually pl] a special quality or characteristic vlastnost
proportion *noun* 1 [C] a part or share of a whole část, díl 2 [U] the relationship between the size or amount of two things proporce, poměr
prototype *noun* [C] the first model or design of sth from which other forms will be developed prototyp, model
put sth together *phrasal verb* to build or repair sth by joining its parts together sestavit, dát něco dohromady

Q

qualification *noun* [C, usually pl] an exam that you have passed or a course of study that you have successfully completed kvalifikace
quarter *noun* [C] (symbol 1/4) one of four equal parts of sth čtvrtina

R

radioactive *adj* sending out powerful and very dangerous rays that are produced when atoms are broken up. These rays cannot be seen or felt but can cause serious illness or death. radioaktivní
► **radioactivity** *noun* [U] radioaktivita
react *verb* (used about a chemical substance) to change after coming into contact with another substance reagovat
realistically *adv* in a sensible and understanding way realisticky
receiver *noun* [C] a person who gets a letter, a message, etc. from sb příjemce

recycle *verb* 1 to put used objects and materials through a process so that they can be used again *recyklovat*
2 to keep used objects and materials and use them again *znovu používat*

referee *noun* [C] a person who gives information about your character and ability, usually in a letter, for example when you are hoping to be chosen for a job *ručitel/ka, referent/ka, garant/ka*

register *verb* to show sth or be shown on a measuring instrument *zaznamenat (míru, váhu)*

relaxed *adj* not worried or tense *uvolněný*

reliable *adj* that you can trust *spolehlivý*

repair *verb* to put sth old or damaged back into good condition *opravit, spravit*

repeater *noun* [C] a device which automatically transmits or sends again an electronically transmitted message *relé, opakovač*

repetitive strain injury *noun* [U] (abbr **RSI**) pain and swelling, especially in the wrists and hands, caused by doing the same movement many times *únavové zranění*

require *verb* to need sth *požadovat, vyžadovat*

resource *noun* [C, usually pl] a supply of sth, a piece of equipment, etc. that is available for sb to use *zdroj*

rigid *adj* difficult to bend or shape; stiff *tuhý, rigidní*

risk *noun* [C,U] a possibility of sth dangerous or unpleasant happening; a situation that could be dangerous or have a bad result *risk, hazard*

robot *noun* [C] a machine that works automatically or is controlled by a computer *robot, automat*

robotics *noun* [U] the science of designing and operating robots *robotika*

rust *verb* to become covered with a reddish-brown substance which forms on the surface of iron, etc. and is caused by the action of air and water *rezavět, korodovat*

S

safe *adj* not likely to cause danger, harm or risk *bezpečný* ► **safely** *adv* bezpečně
► **safety** *noun* [U] bezpečí, zabezpečení

sanitation *noun* [U] the equipment and the systems that keep places clean, especially by removing human waste *sanitace, kanalizace*

scale *noun* [C] a series of numbers amounts, etc. that are used for measuring or fixing the level of sth *stupnice*

scientific *adj* connected with or involving science *vědecký, odborný, naučný*
► **scientist** *noun* [C] vědec, odborník

screw *noun* [C] a thin pointed piece of metal used for fixing two things together. You turn a screw with a special tool (a **screwdriver** *šroubovák*), šroub

seabed (the seabed) *noun* [sing] the floor of the sea *mořské dno*

secret *adj* known about by only a few people; kept hidden from others *tajemství*

secretary *noun* [C] a person who works in an office. A secretary types letters, answers the telephone, keeps records, etc. *sekretář/ka, administrativní pracovník/pracovnice*

see *verb* to become conscious of sth using your eyes *uvidět, uvědomit si*

sender *noun* [C] a person who sends a letter, a package, etc. to sb *odesílatel/ka*

sense(1) *noun* [C] one of the five natural physical powers of sight, hearing, smell, taste and touch *smysl*

sense(2) *verb* to realize or become conscious of sth; to get a feeling about sth you cannot see, hear, etc. *vyčítit, vytušit*

sensible *adj* (used about people and their behaviour) able to make good judgements based on reason and experience; practical *rozumný; účelný*

sensor *noun* [C] a device that can react to light, heat, pressure, etc. *senzor, čidlo*

setting *noun* [C] one of the positions of the controls of a machine *nastavení*

shape(1) *verb* to make sth into a particular form *tvarovat, formovat, profilovat*

shape(2) *noun* [C, U] the form of the outer edges or surfaces of sth; an example of sth that has a particular form *tvar, forma, profil*

shape memory *adj* (used about a substance or material) able to change and adapt according to its surroundings *tvarová paměť*

side *noun* [C] one of the surfaces of sth except the top, bottom, front or back *strana*

sight *noun* [U] the ability to see *zrak, vidění*

signal *noun* [C] a series of radio waves, etc. that are sent out or received *signál*

skill *noun* 1 [U] the ability to do sth well, especially because of training, practice, etc. *dovednost* 2 [C] an ability that you need in order to do a job, an activity, etc. well *zručnost* ► **skilled** *adj* zručný; kvalifikovaný

sloping *adj* (used about a surface) not flat: built at an angle *nakloněný, šikmý*

smart *adj* 1 (used about a piece of clothing) formal *formální, elegantní*
2 clever; intelligent *chytrý*
3 fashionable *moderní*

smell *noun* [U] the ability to sense things with the nose *čich*

socket *noun* [C] 1 a place in a wall where a piece of electrical equipment can be connected to an electrical supply *zásuvka* 2 a hole in a piece of electrical equipment where another piece of electrical equipment can be connected *zásuvka; zdířka*

soft *adj* not hard or firm *měkký*

software *noun* [U] the programs and other operating information used by a computer *programové vybavení, software*

solar energy *noun* [U] power from the sun *solární/sluneční energie*

solution *noun* [C] a way of finding the answer to a problem or dealing with a difficult situation *řešení*

solve *verb* to find a way of dealing with a problem or difficult situation *(vy)řešit*

span *noun* [C] the length of sth from one end to the other *rozpětí, rozteč, vzdálenost*

specialist *noun* [C] an expert in a particular area *specialista/specialistka, expert/ka, odborník/odbornice*

specialize *verb (specialize (in sth))* 1 to become an expert in a particular area of work or study *specializovat se, zaměřit se odborně* 2 to give most of your attention to one subject, type of product, etc. *specializovat se, zaměřit se odborně (na co)*

speed *noun* [C,U] the rate at which sb/sth moves or travels *rychlost*

splicing *noun* [U] the act of joining the ends of two pieces of cable, etc. together *spojení, spletení, spletený spoj*

square *adj* (abbr **sq**) used after a number to give a measurement of an area *čtvereční, plošný*

stage *noun* [C] one part of the progress or development of sth *článek, fáze, stádium*

state-of-the-art *adj* using the most modern or advanced techniques and methods *za použití nejmodernějších metod vědy a techniky*

statistics *noun* [pl] numbers that have been collected in order to provide information about sth *statistika*

Stetson™ *noun* [C] a type of hat typical in Texas, USA *kovbojský širák*

stitch *noun* [C] one of the small pieces of thread that a doctor uses to sew your skin together after an operation, etc. *steh*

strain *noun* 1 [C,U] pressure or worry *napětí, strádání* 2 [U] pressure that is put on sth when it is pulled or pushed by a physical force *tlak*

strength *noun* [U] the ability of an object to hold heavy weights or not to break or be damaged easily *pevnost*
► **strengthen** *verb* to make sth stronger *zpevnit, posílit*

strong *adj* (used about a thing) not easily broken or damaged (**opposite: weak**) *silný*

structural *adj* connected with the way that a building, etc. has been built or the way that the parts of sth have been put together *stavební, konstrukční, skladebný*

substandard *adj* not as good as normal; not acceptable *podřadný, podprůměrný, nevyhovující*

suction *noun* [U] the action of removing air from a space or container so that two surfaces can stick together odsávání, vysátí vzduchu

supply(1) *noun* [C] a store or an amount of sth that is provided or available to be used zásoba

supply(2) *verb* to give or provide sth dodávat, zásobovat

surgery *noun* [U] medical treatment in which your body is cut open so that part of it can be removed or repaired chirurgie

survey *noun* [C] a study of the opinions, behaviour, etc. of a group of people průzkum, anketa

suspension bridge *noun* [C] a bridge that hangs from thick steel wires that are supported by towers at each end visutý most

symbol *noun* [C] a sign, object, etc. that represents sth symbol, znamení, označení

symmetrical *adj* having two halves that match each other exactly in size, shape, etc. symetrický, souměrný

symptom *noun* [C] a change in your body that is a sign of illness symptom, příznak

system *noun* [C] a set of ideas or rules for organizing sth; a particular way of doing sth systém, forma, řád, sestava

T

taste(1) *noun* [U] the ability to recognize the flavour of a food or drink chuť

► **taste(2)** *verb* chutnat, ochutnávat

technical *adj* connected with the practical use of machines, methods, etc. in science or industry technický, odborný

technician *noun* [C] a person whose job is keeping a particular type of equipment or machinery in good condition technik/technička, odborník/odbornice, řemeslník

technique *noun* [C] a particular way of doing sth technika, zručnost, obratnost, postup

technology *noun* 1 [U,C] scientific knowledge, used in practical ways in industry technologie, výrobní postup 2 [C,U] the scientific knowledge and/or equipment that is needed for a particular industry, etc. technologie výroby

teeth brace *noun* [C, often pl] a metal frame that is fixed to a child's teeth in order to make them straight zubní rovnátka

telecommunications *noun* [pl] the technology of sending signals, images and messages over long distances by radio, telephone, television, etc. telekomunikace

temperature *noun* [C, U] how hot or cold sb/sth is teplota

tension *noun* [C,U] the condition of not being able to relax because you are worried or nervous tenze, napětí

test *verb* to use a machine, product, etc. to find out how well it works (o)testovat ► **tester** *noun* [C] zkoušečka (testovací zařízení)

textile *noun* [C, U] any cloth made in a factory textilie, tkanina

theoretical *adj* based on ideas and principles, not on practical experience teoretický

thermometer *noun* [C] an instrument for measuring temperature teploměr

think *verb* to use your mind to consider sth or to form connected ideas přemýšlet

third *noun* [C] (symbol 1/3) one of three equal parts of sth třetina

thousand *noun* [C] 1,000 tisíc

thread *noun* [C] a long thin piece of cotton, wool, etc. that you use for sewing, etc. nit

tighten *verb* to make sth tight or tighter utěsnit, utáhnout

titanium *noun* [U] (symbol Ti) a silver-white metal that is used in making various strong light materials titan

tomb *noun* [C] a large place, where the body of an important person is buried hrobka

ton *noun* [C] a measure of weight; 2,240 pounds tuna

tool *noun* [C] an instrument that you hold in your hand and use for making or repairing things, etc. nástroj

top *noun* [C] the highest part or point of sth vrchol, horní část

touch *noun* [U] the ability to feel things and know what they are like by putting your hands or fingers on them dotek ► **touch** *verb* dotýkat se

tough *adj* not easy to break or damage tuhý, odolný

tour *noun* [C] a short visit around a building, city, etc. prohlídka

traditional *adj* following the beliefs, customs or way of life of a group of people that have not changed for a long time tradiční

transmission *noun* [U] sending out or passing sth from one person, place or thing to another přenos

U

under *prep, adv* in or to a position that is below sth pod

unique *adj* not like anything else; being the only one of its type unikátní

unplug *verb* to remove a piece of electrical equipment from the electricity supply vytáhnout ze zásuvky

unreliable *adj* that cannot be trusted or depended on to work properly nespolehlivý

upholsterer *noun* [C] a person whose job is to cover furniture with soft material and fabric čalouník/čalounice

useful *adj* having some practical use; helpful užitečný

V

valve *noun* [C] a device in a pipe or a tube which controls the flow of air, liquid or gas, letting it move in one direction only klapka, záklopka

vehicle *noun* [C] something that transports people or things vozidlo

vertical *adj* going straight up at an angle of 90° from the ground vertikální

viewer *noun* [C] a person who looks at or considers sth pozorovatel/ka, divák/divačka

vinyl *noun* [C,U] a strong plastic that can bend easily and is used for making wall, floor and furniture coverings vinyl (druh plastu)

vision *noun* [U] the ability to see; sight vize

volt *noun* [C] (abbr V) a unit for measuring the force of an electric current volt

W

waiting list *noun* [C] a list of people who are waiting for sth, for example a service or medical treatment, that will be available in the future pořadník

waterway *noun* [C] a canal, river, etc. along which boats can travel vodní cesta

watt *noun* [C] (abbr W) a unit for

measuring electrical power watt
weak *adj* that cannot support a lot of weight; likely to break (opposite: strong) slabý, rozbitelný

weight *noun* [C,U] how heavy sb/sth is; the fact of being heavy váha

welder *noun* [C] a person whose job is joining pieces of metal together by heating their edges and pressing them together svářeč ► **welding** *noun* [U] sváření

welding torch *noun* [C] a tool with a very hot flame that is used to join pieces of metal together svářečka

wind *verb* (wind sth up) to make a clock or other mechanism work by turning a key, a handle, etc. several times natáhnout ► **wind-up** *adj* that can be made to work by being wound up natáhnutý

wire *noun* [C] a piece of metal in the form of a thin thread that is used to carry electricity drát

wiring *noun* [U] the system of wires which supplies electricity to rooms in a building elektrický rozvod, instalace, vedení

working environment *noun* [C,U] the conditions that sb works in pracovní prostředí

Z

zero *noun* [C] the number 0 nula