add [V-T-U13] To add numbers is to combine them to form another total number. dodawać (działanie matematyczne) adjust [V-T-U9] To adjust is to alter or move something slightly, in order to improve it. nastawić
alcohol [N-UNCOUNT-U5] Alcohol is a chemical solution and is used as a cleaning agent. alkohol
align [V-T-U9] To align is to arrange things so that they make a straight line or are in the right position, in relation to other objects. wyrównać
alternating current [N-UNCOUNT-U3] Alternating current is a flow of electrical current that continually changes direction at a quick rate. prąd zmienny
ampere [N-COUNT-U2] An ampere is the base unit of electric current. It is equal to one coulomb per second. amper
analog meter [ N -COUNT-U7] An analog meter is an old-fashioned device that shows measurements by means of a moving needle. It is useful for showing slow fluctuating voltages and small dips and spikes of voltage. multimetr analogowy
analyze [V-T-U9] To analyze is to study something carefully, in order to explain or understand it. analizować
angular frequency [N-UNCOUNT-U14] The angular frequency is a unit that represents the relationship between different wave forms. pulsacja, częstość kątowa
assemble [V-T-U9] To assemble is to put the different parts of something together. składać (z części)
bare [ADJ-U12] If a wire is bare, it is uncovered. nieizolowany (np. przewód)
bench vise [N-COUNT-U5] A bench vise is a clamp that holds wood or metal in place to be worked on with tools. imadło stołowe
bend [V-I-U10] To bend is to move forward and downward, so that you are not upright. zginać
bond [V-T-U6] To bond things together is to stick them together. spoić
calibrate [V-T-U9] To calibrate is to change or check an instrument or tool, in order to make it more accurate. kalibrować, skalować
camcorder [N-COUNT-U1] A camcorder is a device that combines a video camera, recorder, and player. kamera wideo $z$ magnetowidem
capacitance [N-UNCOUNT-U3] Capacitance is the ability to store an amount of electricity in an electric field. pojemność elektryczna
capacitance meter [N-COUNT-U7] A capacitance meter is a device used to smooth power output. It is known for being unreliable. miernik pojemności elektrycznej
carpet [N-UNCOUNT-U8] Carpet is a thick, heavy floor covering made of fabric. dywan
carry [V-T-U10] To carry is to hold something with your hands or arms, and then take it somewhere. nosić, nieść
cell phone [ $\mathrm{N}-\mathrm{COUNT}-\mathrm{U1}$ ] A cell phone is a portable, wireless telephone. telefon komórkowy
centimeter [N-COUNT-U14] A centimeter is a measurement unit used to determine an object's length or width and is one hundredth of a meter. centymetr (jednostka miary)
charge [N-COUNT-U2] A charge is the physical property of an object that makes it undergo a negative or positive force when it is near another electrically charged object. ładunek
circuit [N-COUNT-U2] A circuit is a system of electrical conductors that electricity flows through. obwód
circuit ground [N-COUNT-U12] The ground or circuit ground is the place in the circuit where the current goes after it has been used. It is also called the earth. uziemienie
clean [V-T-U9] To clean something is to get the dirt off something. czyścić
climb [V-I-U10] To climb is to use your feet and hands in order to travel up, down, over or across something. wspinać się, wchodzić na coś
clip lead [N-COUNT-U5] A clip lead is a short wire that is used to create an electrical current connection. przewód z zaciskiem
component [ $\mathrm{N}-\mathrm{COUNT}-\mathrm{U6}$ ] A component is one part of a piece of equipment. Many components are used to build larger machines. część, komponent, element
computer [N-COUNT-U1] A computer is an electronic device that accepts, processes, and displays data. komputer
conduct [V-T-U2] For electricity to conduct, it passes through an object. przewodzić
connection point [N-COUNT-U12] A connection point is a place where two parts of a circuit meet. połączenie (w obwodzie)
construction site [N-COUNT-U11] A construction site is a location where building or remodeling is done. plac budowy
consumer electronics [N-PLURAL-U1] Consumer electronics are electronics used for everyday or casual entertainment purposes. elektronika użytkowa
contact [N-COUNT-U12] If you come into contact with something, you touch it. styczność (w sensie fizycznym)
cooler spray [N-UNCOUNT-U5] Cooler spray is a freeze spray used to expose faulty parts in hardware. spray zamrażający
crouch [V-I-U10] To crouch is to move your body closer to the ground by completely bending your knees. kucać
current [N-UNCOUNT/COUNT-U2] Current is the flow of electricity. prąd
decibel [ N -COUNT-U14] A decibel represents an increase in either the voltage, current, or power in a speaker or amplifier and is equal to one tenth of a bel. decybel
decimal [N-COUNT-U13] A decimal is a number shown in units of ten. ułamek dziesiętny
desoldering iron [N-COUNT-U6] A desoldering iron is a tool used to remove solder. rozlutownica, odlutownica
diagonal cutters [N-COUNT-U4] Diagonal cutters are pliers with angled cutting jaws used to cut wires. szczypce boczne do cięcia drutu
digital camera [N-COUNT-U1] A digital camera records images in a digital form instead of using film. aparat cyfrowy
direct current [N-UNCOUNT-U3] Direct current is a flow of electrical current that moves in just one direction. prąd stały
disassemble [V-T-U9] To disassemble is to take something apart, so that it is in pieces. rozłożyć na części
discharge [V-T-U12] If you discharge something, you remove its electrical charge. rozładować (ładunek elektryczny)
divide [V-T-U13] To divide numbers is to decrease a number a certain amount of times. dzielić (działanie matematyczne)
drive [V-T or I-U10] To drive is to operate a vehicle so that it moves somewhere. prowadzić pojazd
DVD player [N-COUNT-U1] A DVD player is a device that plays DVDs, most commonly used with a television. odtwarzacz DVD
e-book reader [N-COUNT-U1] An e-book reader is an electronic, hand-held device that displays the contents of a book in digital format. czytnik e-booków
electrical service [N-UNCOUNT-U8] Electrical service refers to the function of having a supply of electric current. dostęp do prądu, dostawa prądu
electrical tape [N-UNCOUNT-U4] Electrical tape is tape made of plastic or vinyl used to insulate electrical wires taśma izolacyjna
electricity [N-UNCOUNT-U2] Electricity is a form of energy that occurs naturally or can be produced. It is expressed in terms of movement and interactions of electrons. elektryczność
electron [N-COUNT-U2] An electron is the particle in an atom that carries electric currents. elektron
elevated [ADJ-U11] If a job is at an elevated level, it is physically higher than ground level. na wysokości (np. praca)
explain [V-T-U9] To explain is to tell someone something in a way that is easy to follow. wytłumaczyć, wyjaśnić
exposed [ADJ-U12] If a wire is exposed, it can easily be seen or touched. odsłonięty, widoczny (np. drut)
factory [N-COUNT-U11] A factory is an indoor location where goods are made and distributed. fabryka
field [N-UNCOUNT-U11] The field is an outdoor location or any location where work is done away from the main workplace. miejsce pracy w terenie
flathead screwdriver [N-COUNT-U4] A flathead screwdriver has a flat blade at the tip and is used with slotted screws. śrubokręt płaski
flux [N-UNCOUNT-U1] Flux is a soft metal. You can melt it and use it to join pieces of metal together. topnik
formula [N-COUNT-U13] A formula uses symbols to make a statement. wzór (matematyczny, chemiczny)
fraction [N-COUNT-U13] A fraction represents one whole number being divided by another. ułamek
frequency counter [N-COUNT-U7] A frequency counter is a device that counts a signal's frequency. It does this by opening a gate, and tracking the number of signal cycles that pass through before the gate closes again. miernik częstotliwości
giga [PREFIX-U15] The word giga attached to the beginning of a word stands for the number one billion. giga(przedrostek oznaczający miliard jednostek)
glue gun [N-COUNT-U5] A glue gun melts plastic glue, to affix wires to component surfaces. pistolet do kleju, pistolet klejowy
hammer [N-COUNT-U4] A hammer is a tool with a heavy metal head that is used for pounding or striking. młotek
heat-shrink tubing [N-UNCOUNT-U5] Heat-shrink tubing is plastic tubing that shrinks in diameter when heated and is used to repair and insulate wires. koszulka termokurczliwa
heatsink grease [N-UNCOUNT-U5] Heatsink grease is a lubricant that prevents components from overheating. pasta termoprzewodząca
hemostat [N-COUNT-U4] A hemostat is a clamping tool used to clamp and hold wires. kleszczyki hemostatyczne
hertz [N-COUNT-U3] A hertz is a measurement of frequency. It measures the speed at which electrical current changes direction. Hertz (Hz - jednostka częstotliwości)
hex wrench [N-COUNT-U4] A hex wrench is an L-shaped tool used for loosening or tightening screws and bolts with a head shaped like a hexagon. klucz imbusowy
home [N-COUNT-U11] A home is an indoor location in which a person lives. dom (miejsce zamieszkania)
impedance [N-UNCOUNT-U3] Impedance is a measure of how hard it is for electricity to pass through a piece of electrical equipment. impedancja, oporność
inch [N-COUNT-U14] An inch is a unit of measurement that is used to determine an object's length or width and is one twelfth of a foot. cal
inductance [N-UNCOUNT-U3] Inductance is the ability to store electricity in a magnetic field. indukcyjność
inductance meter [N-COUNT-U7] An inductance meter is a device used to find out the inductance value of coils. miernik indukcyjności
inspect [V-T-U9] To inspect is to examine something carefully, with the goal of making sure that it is correct or good enough. badać, sprawdzać, kontrolować
isolation transformer [ $\mathrm{N}-\mathrm{COUNT}-\mathrm{U} 7$ ] An isolation transformer is a transformer that moves electrical power to equipment, while keeping the power input and power output apart. This is a safety measure. transformator separacyjny
jewelry [N-UNCOUNT-U12] Jewelry is decorative things you wear on your hands, fingers, and neck. It is often made of gold or silver. biżuteria
kilo [PREFIX-U15] The word kilo attached to the beginning of another word stands for the number one thousand. kilo(przedrostek oznaczający tysiąc jednostek)
kneel [V-I-U10] To kneel is to move into a position where your body is resting on your knees. klęknąć
lift [V-T-U9] To lift is to move something in an upwards direction, so that it is in a higher position. podnieść
lighting [N-UNCOUNT-U8] Lighting refers to the electrical equipment used to provide light. oświetlenie
live [ADJ-U12] If a circuit is live, electricity is traveling through it. pod napięciem
location [N-COUNT-U8] A location is a site or a place. miejsce
logic analyzer [N-COUNT-U7] A logic analyzer is a device that displays signals in a digital circuit. It can show the relationships between different variables. It is similar to an oscilloscope. analizator logiczny
magnet [N-COUNT-U5] A magnet is an object that is able to produce an invisible magnetic field which can interact with metals, such as copper, iron, or nickel. magnes
magnifier [N-COUNT-U4] A magnifier enlarges the appearance of an object to allow for detailed viewing. lupa, szkło powiększające
mega [PREFIX-U15] The word mega attached to the beginning of a word stands for the number one million. mega(przedrostek oznaczający milion jednostek)
melt [V-I-U6] To melt something is to turn it from a solid into a liquid. topić
micro [PREFIX-U15] The word micro attached to the beginning of a word stands for one millionth of a number. mikro(przedrostek oznaczający jedną milionową część jednostki)
micron [N-COUNT-U14] A micron is a measurement unit used to determine an object's length or width and is equal to one millionth of a meter. mikron
milli [PREFIX-U15] The word milli attached to the beginning of another word stands for one thousandth of a number. mili- (przedrostek oznaczający jedną tysięczną część jednostki)
millibar [N-UNCOUNT-U14] A millibar is a unit of measurement that measures atmospheric pressure and is equal to one thousandth of a bar. milibar (jedna tysięczna część bara)
millimeter [ $N$-COUNT-U14] A millimeter is a measurement unit used to determine an object's length or width and is one thousandth of a meter. milimetr (jedna tysięczna część metra)
modify [V-T-U9] To modify something is to make minor changes to something, with the goal of improving it. modyfikować, zmieniać, ulepszać
MP3 player [N-COUNT-U1] An MP3 player is a digital music player that supports and plays MP3 files. odtwarzacz MP3
multimeter [ N -COUNT-U7] A multimeter is a piece of equipment that can measure several different things. It can measure voltage, resistance, and current. miernik uniwersalny, multimetr
multiply [V-T-U13] To multiply a number is to increase a number a certain amount of times. mnożyć (wykonywać działanie matematyczne)
nano [PREFIX-U15] The word nano attached to the beginning of another word stands for one billionth of a number. nano- (przedrostek oznaczający jedną miliardową część jednostki)
naphtha [N-UNCOUNT-U5] Naphtha is a petroleum product and is used to remove dirt from any surface. nafta
needlenose pliers [N-PLURAL-U4] Needlenose pliers are small pliers with thin, long jaws used for cutting and gripping in detailed work. szczypce długie
negative [ADJ-U3] If something is negative, it has the electrical charge of an electron. o ładunku ujemnym
non-conductive [ADJ-U12] If a material is non-conductive, electricity cannot pass through it. nieprzewodzący (prądu)
office [N-COUNT-U11] An office is an indoor location where people go to do work. biuro
ohm [N-COUNT-U2] An ohm is a unit that measures electrical resistance. om (jednostka oporu elektrycznego)
oscilloscope [N-COUNT-U7] An oscilloscope is a device that creates a graph showing voltage against time. oscyloskop
phase angle [N-UNCOUNT-U14] A phase angle is the difference of degrees between forms of a voltage wave and a current wave that have the same time. kąt fazowy
Phillips screwdriver [N-COUNT-U4] A Phillips screwdriver is used to drive in Phillips screws. śrubokręt krzyżakowy
pico [PREFIX-U15] The word pico attached to another word stands for one trillionth of a number. piko- (przedrostek oznaczający jedną bilionową część jednostki)
polarity [N-UNCOUNT-U3] Polarity is the condition of having either a negative or positive electrical charge. biegunowość
pole [N-COUNT-U11] A pole is an object that is shaped like a cylinder and has a length that is far greater than its width. słup
positive [ADJ-U3] If something is positive, it has the electrical charge of a proton. o ładunku dodatnim
power [N-COUNT-U13] The power of a number shows how many times the number is multiplied by itself. wykładnik potęgi
power strip [N-COUNT-U8] A power strip consists of several electrical sockets that use one plug to connect to an electricity source. rozgałęźnik
prefix [N-COUNT-U15] A prefix is a meaning that is added to the beginning of a word. przedrostek
proportion [N-COUNT-U13] A proportion shows that two ratios are equal to each other. proporcja (równość)
pull [V-I-U10] To pull is to cause someone or something to move towards you, by using your hands. ciągnąć
push [V-I-U10] To push is to cause someone or something to move away from you or from their current position, by using your hands. pchać
ratio [N-COUNT-U13] A ratio shows the relation between two or more values. proporcja, stosunek (między dwoma liczbami)
reach [V-I-U10] To reach is to cause part of your body to move in a direction towards something you want to touch or pick up. sięgać (po coś)
reactance [N-UNCOUNT-U3] Reactance is the opposition to a change in voltage or electrical current that is caused by capacitance or inductance. reaktancja
recommend [V-T-U9] To recommend is to advise or make suggestions, particularly when a person has special knowledge about something. doradzać, rekomendować, polecać
rectification [N-UNCOUNT-U3] Rectification is the process of AC switching to DC. prostowanie (prądu)
remove [V-T-U9] To remove is to take an object away from its current position or place. usuwać
repair [V-T-U9] To repair something is to fix something that is broken or that does not work correctly. naprawiać
resistance [N-UNCOUNT-U2] Resistance is how much an object opposes an electric current passing through it. opór
retain [V-T-U12] If you retain something, you hold or keep it for a long period of time. trzymać (zatrzymywać)
root [N-COUNT-U13] The root of a number is the original number that multiplies by itself to reach the other larger number. pierwiastek (w matematyce)
shock [N-COUNT-U12] A shock is a sudden pain caused by electricity traveling through the body. porażenie prądem
shop [N-COUNT-U11] A shop is an indoor location where electronics or machinery are maintained or fixed. serwis, warsztat, punkt naprawczy
signal generator [N-COUNT-U7] A signal generator is a device that tests whether electrical equipment is working, by sending a test signal into the equipment. It is mostly used to test analog equipment. generator sygnału
sit [V-I-U10] To sit is to have the lower part of your body on a seat, chair, or the ground, while the upper part of your body is upright. siedzieć
solder [N-UNCOUNT-U6] Solder is a soft metal. You can melt it and use it to join pieces of metal together. lut, spoiwo lutownicze
soldering iron [ $\mathrm{N}-\mathrm{COUNT}-\mathrm{U} 6] \mathrm{A}$ soldering iron is a tool used to heat solder and join pieces of metal together. lutownica
solder sucker [N-COUNT-U6] A solder sucker is a tool which removes solder using a vacuum pump. odsysacz do lutowia
solder wick [N-UNCOUNT-U6] Solder wick is copper thread which removes solder. miedziana nić służąca do usuwania lutów
speaker [N-COUNT-U1] A speaker is a device used to emit sound from an electronic device that plays music. głośnik
spectrum analyzer [N-COUNT-U7] A spectrum analyzer is a kind of scope that shows voltage against frequency. analizator widma
spot lighting [N-UNCOUNT-U8] Spot lighting focuses a strong beam of light over a small, concentrated area. światło punktowe
stand [V-I-U10] To stand is to be in an upright position, supported by your feet. stać
stereo [N-COUNT-U1] A stereo is an electronic device used to play music. wieża stereo
stereo microscope [N-COUNT-U5] A stereo microscope is a device that magnifies images with two beams of light. mikroskop stereoskopowy
studio [N-COUNT-U11] A studio is an indoor location where television and radio programmes are made and broadcast or where music is recorded. studio
sturdy [ADJ-U8] If an object is sturdy, it is solid and firmly built. solidny, wytrzymały
subtract [V-T-U13] To subtract one number from another is to take it away from the other number. odejmować (wykonywać działanie matematyczne)
super glue [N-UNCOUNT-U5] Super glue is an adhesive that can rapidly bond to plastic, metal, rubber, or glass. super klej
surface [N-COUNT-U8] The surface of an object is the outer or upper boundary of it. powierzchnia
swing arm [N-COUNT-U8] A swing arm is a hinged rod on a lamp that allows movement. regulowane ramię (np. lampy)
symbol [N-COUNT-U15] A symbol is a sign that represents an object or means something. symbol
tablet [N-COUNT-U1] A tablet is a portable, hand-held computer. tablet
take off [PHRASAL V-U12] If you take off clothing or jewelry, you remove it from your body. zdejmować (coś)
television [N-COUNT-U1] A television is a device that receives electrical signals and uses them to display pictures and produce sound. telewizor
terminal [N-COUNT-U12] A terminal is the point where a conductor in an electrical device ends and connects to an external circuit. końcówka, przyłącze
terra [PREFIX-U15] The word terra attached to the beginning of a word stands for the number one trillion. tera(przedrostek oznaczający bilion jednostek)
time constant [N-UNCOUNT-U14] The time constant is the reaction time for the output value to reach $63.7 \%$ of the highest or lowest output value when exposed to a different type of input. stała czasowa
tip [N-COUNT-U6] A tip is the end of something, for example, the part of a pen which touches the paper. końcówka (np. długopisu)
torque wrench [N-COUNT-U4] A torque wrench uses a gauge to tighten nuts and bolts with the desired amount of force. klucz dynamometryczny
tower [N-COUNT-U11] A tower is a structure that is located above ground level and is supported by tall beams. wieża (budowla)
transformer [N-COUNT-U3] A transformer is a device that alters the voltage of a flow of electricity. transformator
transistor tester [N-COUNT-U7] A transistor tester is a device that measures how well transistors work. Some transistor testers measure how a transistor reacts to a real signal. Others measure approximate gain, highfrequency cutoff point, and leakage. tester tranzystorów
turn off [PHRASAL V-U12] If you turn off electrical equipment, you remove it from the power source. wyłączyć twist [V-I-U10] To twist is to turn something, such as your body, so that it is in a different position. obracać underground [PREP-U11] If something is underground, it is located below ground level. pod ziemią vacuum pump [ N -COUNT-U6] A vacuum pump is a piece of equipment. You can use it to move gases and liquids. pompa próżniowa
value [N-UNCOUNT-U15] Value refers to an object's worth or importance. wartość
volt [N-COUNT-U2] A volt is a unit used to measure the electric force of an object. wolt (jednostka napięcia elektrycznego)
walk [V-I-U10] To walk is to move in a forward direction, by placing one foot in front of the other. iść, chodzić watt [N-COUNT-U2] A watt is a unit that measures power. It is equivalent to one joule per second. wat (jednostka mocy)
watt-hour [N-COUNT-U14] A watt-hour is the amount of energy that a circuit uses in one hour. watogodzina wire stripper [N-COUNT-U4] A wire stripper is used to cut and remove insulation from a wire. stripper workbench [N-COUNT-U8] A workbench is a table or bench where manual work is done, usually by mechanics or carpenters. stół roboczy/warsztatowy

