International Baccalaureate · IB Diploma · Design Technology · SL

Glossary · every term in the course, A–Z

English

academic integrity
/ˌækəˈdemɪk ɪnˈtegrɪti/
accuracy
/ˈækjʊrəsi/
additive manufacturing

affordance

alloy
/ˈælɔɪ/
anthropometric data

anthropometrics

anthropometry
/ˌænθrəˈpɒmɪtrɪ/
appropriate technology

automation
/ˌɔːtəˈmeɪʃn/
batch production
/bætʃ prəˈdʌkʃn/
biomimicry

brainstorming

brittleness

carbon footprint
/ˈkɑːbən ˈfʊtprɪnt/
circular economy
/ˈsɜːkjʊlə ɪˈkɒnəmi/
clearance
/ˈklɪərəns/
clearance fit

cognitive ergonomics

English

composite
/ˈkɒmpəzɪt/
computer numerical control

computer-aided design

computer-aided manufacture

constraint
/kənˈstreɪnt/
convergent thinking
/kənˈvɜːdʒənt ˈθɪŋkɪŋ/
copyright
/ˈkɒpɪraɪt/
cradle to cradle

density
/ˈdensɪti/
design brief
/dɪˈzaɪn briːf/
design cycle
/dɪˈzaɪn ˈsaɪkl/
design for disassembly
/dɪˈzaɪn fɔː ˌdɪsəˈsemblɪ/
design specification

design thinking

destructive testing

diffusion of innovation

disruptive innovation

divergent thinking
/daɪˈvɜːdʒənt ˈθɪŋkɪŋ/
double diamond

ductility
/dʌkˈtɪlɪti/
durability

English
dynamic data
eco-label
elasticity /ɪlæˈstɪsɪti/
embodied energy
ergonomics /ˌɜːgəˈnɒmɪks/
evaluation /ɪˌvæljuːˈeɪʃn/
factor of safety
feedback /ˈfiːdbæk/
fidelity
finite element analysis
fit /fɪt/
fixed cost /fɪkst kɒst/
forming /ˈfɔːmɪŋ/
gantt chart /gænt tʃɑːt/
greenwashing
hardness /ˈhɑːdnəs/
inclusive design
incremental innovation
information overload /ˌɪnfəˈmeɪʃn ˌəʊvəˈləʊd/
injection moulding
innovation /ˌɪnəˈveɪʃn/
intellectual property /ˌɪntəˈlektʃuːəl ˈprɒpəti/

English
interference fit
invention
iteration /ˌɪtəˈreɪʃn/
iterative /ˈɪtərətɪv/
just-in-time /dʒʌst ɪn taɪm/
Lean production /liːn prəˈdʌkʃn/
life cycle assessment /laɪf ˈsaɪkl əˈsesmənt/
linear economy
mapping
market pull
mass customisation /mæs ˌkʌstəmaɪˈzeɪʃn/
mass production
mental model
mock-up
model /ˈmɒdl/
morphological chart
nominal size
non-destructive testing
normal distribution /ˈnɔːml ˌdɪstrɪˈbjuːʃn/
one variable
one-off production
open source /ˈəʊpən sɔːs/

English

patent
/ˈpeɪtənt/
percentile
/pəˈsentaɪl/
planned obsolescence

plasticity

precision
/prɪˈsɪʒn/
primary research
/ˈpraɪməri rɪˈsɜːtʃ/
product analysis

production plan

proof of concept

prototype
/ˈprəʊtəʊtaɪp/
quality assurance
/ˈkwɒlɪti əˈʃʊərəns/
quality control
/ˈkwɒlɪti kənˈtrəʊl/
radical innovation

reach
/riːtʃ/
registered design

right to repair

risk assessment
/rɪsk əˈsesmənt/
scale model

secondary research
/ˈsekəndəri rɪˈsɜːtʃ/
signifier

simulation
/ˌsɪmjʊˈleɪʃn/
smart material

English

specification
/ˌspesɪfɪˈkeɪʃn/
static data

stiffness
/ˈstɪfnəs/
strain
/streɪn/
strength-to-weight ratio

stress
/stres/
success criterion
/səkˈses kraɪˈtɪərɪən/
sustainability
/səˌsteɪnəˈbɪlɪti/
technology push

tensile strength

thermoplastics

thermosetting polymer
/ˈθɜːməsɪtɪŋ ˈpɒlɪmə/
tolerance
/ˈtɒlərəns/
tolerance stacking

toughness

trademark

transition fit

triple bottom line

user trial

user-centred design

vacuum forming

value engineering

English

variable

/'veərɪəbl/

variable cost

/'veərɪəbl kɒst/

virtual prototyping

wasting

weighted decision matrix

Young's modulus