

Science G—Weekly Subject List

Week	Subject
1	scientific method; measurements; scientific units
2	characteristics of life; body systems; vertebrates; invertebrates
3	cells; organelles; Antony van Leeuwenhoek biography
4	animal and plant cells; single-celled organisms; Antony van Leeuwenhoek biography
5	diffusion; osmosis; active transport; Antony van Leeuwenhoek biography
6	enzymes; pH; metabolism; glucose
7	enzymes; digestive system; lactase
8	excretory system; insulin; diabetes; kidneys; nutrients
9	energy in food; BMI; endocrine system; adrenaline; cellular respiration
10	anaerobic and aerobic respiration; breathing
11	lungs; exercise; heart; respiration
12	circulatory system; blood vessels; blood; heart rate; heart disease; lymphatic system
13	skeletal system; joints; muscles; tendons; involuntary muscles; reflexes
14	brain; how brains work; response to stimuli; nervous system; neurons; synapses
15	sexual and asexual reproduction; growth and development; mitosis; cell division
16	meiosis; reproductive systems; conception; pregnancy; puberty; hormones
17	menstruation; fertility; genes; DNA; Human Genome project; alleles
18	genetic transcription; translation; genetic crosses; codominance; blood groups
19	nervous system damage; eyesight; trouble with eyesight; temperature control
20	five senses; genetic mutations; inherited disorders; sex determination; sex-linked traits
21	stem cells; selective breeding; cloning; genetic engineering
22	plants; pollination; fruit; seeds; germination; continuous and discontinuous evolution
23	life cycles; natural selection; fossils; speciation
24	health; disease; immune system; medicine
25	skin; hair; nails; pathogens
26	viral diseases; body barriers; immunity; vaccination; antibodies
27	cancer; antibiotics; surgery; complementary medicine
28	ecology; abiotic and biotic factors; plant hormones; photosynthesis; leaves; stomata; glucose
29	pests; plant defences; rate of photosynthesis
30	inverse square law; greenhouse farming; plant nutrients; water, carbon, nitrogen cycles; transpiration
31	plant roots; food webs; decomposers; composting
32	carrying capacity; environmental issues: wetlands; caribou migration
33	predator-prey interactions; social behavior; energy transfers; biomass; environmental issues: coal mining, gas factory
34	population growth; biodiversity; climate change; environmental issues: solar panels; e-trash
35	carbon sinks; invasive species; pollution; environmental issues: water pollution, upcycling
36	conservation; food production; farmind methods; environmental issues: factory pollution

©2023 by BookShark, LLC. All rights reserved. Do not copy without written permission from BookShark, LLC