

Appendix 1: Science C—Weekly Subject List

Week	Subject
1	what living things need to survive/bacteria/plant growth
2	sticky plants/spiders/feathers/fur/predators/butterflies
3	polar bears/fossils/wolves
4	wolves/food chain/Yellowstone
5	wolves/food chain/Yellowstone
6	wolves/seas and oceans/underwater life/food webs/camouflage
7	coral reefs/symbiosis/poisonous animals/sharks/rays
8	whales/dolphins/deep sea life/migration/Arctic and Southern oceans/walrus/penguins
9	waves/currents/tides/coasts/seashore life
10	hurricanes/tsunamis/boats and ships/submarines/shipwrecks/ocean resources
11	ocean pollution/over fishing/undersea facts
12	human body tissues/organs/skin/genes/DNA
13	natural selection/Mendel/mitosis/meiosis/chromosomes/dominant and recessive genes/genome/inherited diseases
14	RNA/enzymes/amino acids/nature vs. nurture/DNA in criminology/family tree/fingerprints/bones
15	muscles/respiratory system/circulatory system
16	digestive system/central nervous system/healing
17	healing/atoms/molecules/state
18	distillation/mixtures/metals/plastics from oil
19	chemical reactions/acid/base/pH scale/types of energy
20	light/colors/sound waves/conduction/convection/radiation
21	electricity/electrons/lightning/current/power/conductors/insulators/power plants/generators/light bulbs
22	electromagnetism/alternating current/light switches/appliances/circuit diagram/static/charges
23	electromagnetism/what makes magnets/coal/oil/natural gas
24	Nikola Tesla/alternating current generator/Thomas Edison/force/Newton's laws of motion
25	friction/magnetic poles/simple machines
26	car engines/gravity/how planes fly
27	Earth's layers/tectonic plates/water cycle
28	oceans/clouds/weather/atmosphere
29	physics/movement/forces/friction/gravity
30	snow/hail/dew/erosion/lightning/tornado
31	hurricane/light in the atmosphere/sea weather/desert weather
32	weather forecasting/changing climates/harnessing the weather
33	weather/atmosphere/phases of the moon
34	planetary life support/space/galaxies/dark matter/stars/rockets/space suits
35	robots/history of robots/purpose/how they move/inspiration from nature/performing human jobs
36	robot size/androids/robots in space/robot competitions