

	Scenario Title	School Subject	Teaching Unit/Content	Career aspect	Socio-scientific issue
1	Acoustics Club	Physics	Waves and Sound	Acoustic/sound engineer, Mechanical engineer, Physicist	Sound quality, Noise pollution
2	Battery Escape Room	Chemistry/ Physics	Batteries, electrochemistry	Electrochemist	
3	Blackout	Physics	Generator, Transformer, Electric grid	Electrician, forester, staff manager, purchasing manager, production manager, customer service, process operator, power network designer	Blackout, Electric grid, Environment
4	Car park	Physics	Velocity	Project engineer	City and traffic planning (Climate change, noise and air pollution, traffic and constructing)
5	Cold Packs	Chemistry	Energy in reactions	Chemical Design Engineer	Sport injuries, Injuries
6	Coal to the teeth	Chemistry	Activated carbon, Acid erosion (pH)	Dentist, chemist	Health, Teeth whitening
7	Crime scene	Physics	Electricity, electric shock, safety at home	Electrician, Horticulturist, Forensic chemist, Zoologist, Pharmacist	Safety
8	Earthquake Red Alert!	Physics, Geography	Energy, Geology	Seismologist	Man made earthquake
9	Electricity in the air	Physics, geography	Electricity, particles	Engineer, Material Scientist, Environmental Protection Specialist	Environmental protection, energy consumption and production, solar power (Climate change)
10	Endangerous species	Biology	Ecology, poisoning substances	Customs officer; Environmentalist; Natural scientist; Specialists of tourism and finances	Endangered species in international trade, environmental protection, ethics and social responsibility (climate change)
11	Fly if you can	Physics	Motion Newton's laws	Aeronautical & aircraft engineer Mechanical & electrical engineer	Transport, Emergency landing problems (Climate Change)
12	Forester	Biology	Reflection about stereotypical job images	Forester, Forest engineer	
13	Future sound	Physics	"The motor effect"	Sound engineer	

14	Giant Dinosaurs	Biology (Physics)	Research in paleontology, Gigantism in Sauropods	Paleontologist	
15	Houses, where we live	Geography	City planning	Researchers, city planners	Ethical issues related mobile positioning (Climate change, Energy)
16	Lamb, lime and mussels	Physics, Biology, Chemistry	Neutralisation	Sheep farmer, Aqua culturist, Agronomist	Waste management (Climate change)
17	Nanotechnology	Physics, Chemistry, Biology	Structure and bonding: Nanoparticles, Giant covalent structures, Fullerenes and graphene	Four famous scientists	
18	Nuclear Decisions	Geography, Environment al science	Sustainable development	Geologist, Environmentalist, Hydrologist, Seismologist, Meteorologist	Environment Protection, Nuclear power – radioactivity
19	Nuclear medicine	Physics	Nuclear radiation	Nuclear Medicine Technologist	Health issues
20	Mission Obesity	Biology	Nutrition Digestive system, Circulatory & respiratory system	Biologist, Cardiologist, Gastroenterologist, Dietician	Mission Obesity
21	Old pipes found	Physics	Thermal expansion	NC-machinist, calibrator	Recycling/Waste, Environment
22	Oil - the king of the world or Achilles heel?	Chemistry, Biology	Heating value, oil properties and composition	Chemist, environmental expert, journalists, zoologist	Environmental protection, public debates related to sustainable development, Climate change
23	Pedestrian crossing	Physics	Velocity	Municipal engineering	Safety, Participation in Society
24	Recruitment fair	Chemistry	Electrolysis	Prototype producer, machinist CNC-machinist, laborant, task organiser	Safety, working life
25	Road salt	Chemistry	Salts	Chemist, CEO in industry, Sales Manager industrial, Chemical technician	Traffic, Ice problems (Climate change)

26	Roundsabout	Physics	Sustainable energy	Traffic Engineer	Participation in Society, Traffic congestion (Climate change/air pollution)
27	Save the polar bears!	Physics	Heat transfer, Conductors, Insulation	Architects specialized in energy-efficient buildings	Climate Change and consequences
28	Should there be a sugar tax?	Chemistry, Biology	Titration, Substance identification, pH	Technologist, chemist, bio-chemist	Health issues
29	Sport physician	Physics	Thermal equilibrium	Sport physician, Doctor	Health issues
30	Two wheeled mission	Physics	Speed and motion	Civil engineer	Car emissions, Traffic congestion, Climate Change
31	Water purification	Chemistry	Soluble-insoluble, Separation methods	Chemist, municipal engineer	Water supply, Climate change, Environment
32	Zero plastics to landing by 2020	Chemistry	Pure and impure substances, Process of combustion, Sink and float	Environmental scientist	Plastic waste, Recycling