

Super Science Sixty-one

Below are the key science topics you need to know for all your exams.
As part of your homework, you need to make as many revision cards as possible.
Show completed cards to your teacher, and they will record them.
Every ten cards earns you prom-points.



Topic	Revision Resources
Cell structure	https://www.youtube.com/watch?v=qHkUOIC8Nbo
Cell division	https://www.youtube.com/watch?v=RHyZVmbiA78 , https://www.youtube.com/watch?v=micUPynq9k
Transport in cells	https://www.youtube.com/watch?v=LUPHohqPTU&t=9s , https://www.youtube.com/watch?v=4Eq8fO3fABM , https://www.youtube.com/watch?v=tM0bGaaQ2jY
Principles of organisation	https://www.youtube.com/watch?v=VO2QkpwAG9o&t=22s
Animal tissues, organs and organ systems	https://www.youtube.com/watch?v=4ui4oSHHzA&list=PLgSVCUPhktlvtUyWrdzJqTirG560I7
Plant tissues, organs and systems	https://www.youtube.com/watch?v=oT4jvKRYBJA
Communicable diseases	https://www.youtube.com/watch?v=dbd5iydu3EY&t=3s
Photosynthesis	https://www.youtube.com/watch?v=X810lkeuHjw
Respiration	https://www.youtube.com/watch?v=U4WwWuVZSe4
Homeostasis	https://www.youtube.com/watch?v=XM5j-3qRVjM
The human nervous system	https://www.youtube.com/watch?v=HixUxwND9s
Hormonal coordination in humans	https://www.youtube.com/watch?v=BvpPCn1rsw
Reproduction	https://www.youtube.com/watch?v=LgLkt02Hl9s
Variation and evolution	https://www.youtube.com/watch?v=VjE5Qz1S0
The development of understanding of genetics and evolution	https://www.youtube.com/watch?v=mvW5y5lbUoHA&list=PLidqIGKox7X5UFT-expKlUR-i-BN3Q1g&index=73
Classification of living organisms	https://www.youtube.com/watch?v=HLnaJm5wM4&list=PLidqIGKox7X5UFT-expKlUR-i-BN3Q1g&index=80
Adaptations, interdependence and competition	https://www.youtube.com/watch?v=C-u8xvZYSM&list=PLidqIGKox7X5UFT-expKlUR-i-BN3Q1g&index=79
Organisation of an ecosystem	https://www.youtube.com/watch?v=XVD5izWxmKo&list=PLidqIGKox7X5UFT-expKlUR-i-BN3Q1g&index=84
Biodiversity and the effect of human interaction on ecosystems	https://www.youtube.com/watch?v=bs9e6ov1Sbs&list=PLidqIGKox7X5UFT-expKlUR-i-BN3Q1g&index=90
A simple model of the atom, symbols, relative atomic mass, electronic charge and isotopes	https://www.youtube.com/watch?v=fN8kH9Vqo0
The periodic table	https://www.youtube.com/watch?v=IdS9roW7izM&t=22s
Chemical bonds, ionic, covalent and metallic	https://www.youtube.com/watch?v=6DtrrWASnE&t=3s , https://www.youtube.com/watch?v=5l_1jRG5R9E&t=1s , https://www.youtube.com/watch?v=b1y2Q6Y1bQ
How bonding and structure are related to the properties of substances	https://www.youtube.com/watch?v=d2ogZgGmMDY
Structure and bonding of carbon	https://www.youtube.com/watch?v=GH0mXCcEFU&t=1s
Chemical measurements, conservation of mass and the quantitative interpretation of chemical equations	https://www.youtube.com/watch?v=it_fmQu5ivg&t=17s
Use of amount of substance in relation to masses of pure substances	https://www.youtube.com/watch?v=wPGVQu3UXpw
Reactivity of metals	https://www.youtube.com/watch?v=2i5Lm7BMtpo
Reactions of acids	https://www.youtube.com/watch?v=v8f8B3MFzlk&t=21s
Electrolysis	https://www.youtube.com/watch?v=iINOPROacf0 , https://www.youtube.com/watch?v=hORGNtIN3sg , https://www.youtube.com/watch?v=GrgYXk_NCec
Exothermic and endothermic reactions	https://www.youtube.com/watch?v=dStRL5xBO5k&t=23s
Rate of reaction	https://www.youtube.com/watch?v=SPXany3-hU , https://www.youtube.com/watch?v=4HXaUBbv04&t=2s
Reversible reactions and dynamic equilibrium	https://www.youtube.com/watch?v=ty9TczsW5ew&t=7s
Carbon compounds as fuels and feedstock	https://www.youtube.com/watch?v=CX2lVWggEBC , https://www.youtube.com/watch?v=CjmriZ5xRo
Purity, formulations and chromatography	https://www.youtube.com/watch?v=OUI-R-4RU , https://www.youtube.com/watch?v=TdJ57S06GAQ&t=2s
Identification of common gases	https://www.youtube.com/watch?v=bcRGf5IMIMw
The composition and evolution of the Earth's atmosphere	https://www.youtube.com/watch?v=I0h_-3M0Pso
Carbon dioxide and methane as greenhouse gases	https://www.youtube.com/watch?v=Z_b2A-d5hGY
Common atmospheric pollutants and their sources	https://www.youtube.com/watch?v=2ri95j0cShg
Using the Earth's resources and obtaining potable water	https://www.youtube.com/watch?v=PDeRIQvWnM
Life cycle assessment and recycling	https://www.youtube.com/watch?v=ScY_Yb1V8AY
Energy changes in a system, and the ways energy is stored before and after such changes	https://www.youtube.com/watch?v=JGwcDceYRYo&t=23s , https://www.youtube.com/watch?v=WrfCHt21KVA
Conservation and dissipation of energy	https://www.youtube.com/watch?v=H6D_ViW0Ch4
National and global energy resources	https://www.youtube.com/watch?v=VTAfjh01HNo
Current, potential difference and resistance	https://www.youtube.com/watch?v=R3hdalPq2AA&t=16s
Series and parallel circuits	https://www.youtube.com/watch?v=ZQurBlu35Fo , https://www.youtube.com/watch?v=jNFXjt5mul
Domestic uses and safety	https://www.youtube.com/watch?v=S8lB2kxT1n0
Energy transfers	https://www.youtube.com/watch?v=ij9r7WkTZl
Changes of state and the particle model	https://www.youtube.com/watch?v=OTksau0_Vol , https://www.youtube.com/watch?v=pgGzVdau1Bw&t=7s
Internal energy and energy transfers	https://www.youtube.com/watch?v=4r17-5YE4pQ&t=24s , https://www.youtube.com/watch?v=3itgmCtmJPC
Particle model and pressure	https://www.youtube.com/watch?v=0P3b8bWqAkC , https://www.youtube.com/watch?v=-TjKWzrDGk
Atoms and isotopes	https://www.youtube.com/watch?v=KwOHJbE4Tro&t=2s
Atoms and nuclear radiation	https://www.youtube.com/watch?v=VeXpMijpa2E&t=29s , https://www.youtube.com/watch?v=zXw2cOSBB8E , https://www.youtube.com/watch?v=24GV13xBOOU
Forces and their interactions	https://www.youtube.com/watch?v=ILB_4Wu2QOg , https://www.youtube.com/watch?v=YGGxf6c3lo
Work done and energy transfer	https://www.youtube.com/watch?v=kCjUzdCBOk0
Forces and elasticity	https://www.youtube.com/watch?v=FAHOI32oAns
Forces and motion	https://www.youtube.com/watch?v=5PtaCJJFjw , https://www.youtube.com/watch?v=DpQ_ikFKRu0 , https://www.youtube.com/watch?v=ZLHgYgEAPHY
Momentum	https://www.youtube.com/watch?v=F8DnNgBhUfQ , https://www.youtube.com/watch?v=ZU6rJQTz7FI
Waves in air, fluids and solids	https://www.youtube.com/watch?v=aCu4VRKMstA , https://www.youtube.com/watch?v=WDBtOeXUdWQ , https://www.youtube.com/watch?v=Uu44Vg5pCI , https://www.youtube.com/watch?v=7v2gs8rdQzU
Electromagnetic waves	https://www.youtube.com/watch?v=7v2gs8rdQzU
Permanent and induced magnetism, magnetic forces and fields	https://www.youtube.com/watch?v=3elpPfyHVOE , https://www.youtube.com/watch?v=bO22Hk2hKLE , https://www.youtube.com/watch?v=79_SF5AZtzo
The motor effect	https://www.youtube.com/watch?v=ItpPhpi-CC4