

50 FREE Secrets of the Sequence Videos/Lessons

by Major Life Science Area

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Major Life Science Area	Video Titles	Other Life Science Emphases
Anatomy	1. By land or by sea - Comparative anatomy	Aquaculture, diversity, evolution
Bacteria/Viruses Drug resistance Malaria Plague virus Vaccinations	2. Super bugs - Bacterial drug resistance 3. Malaria - Researching new solutions 4. Air War - Biological weapons 5. First Shot - Vaccinations	Genetics of bacteria Health, drug discovery, resistance Bioterrorism , drug resistance Health, smallpox,
Bioethics Bioethics Therapeutic cloning	6. Bioethics - Drawing the line 7. The cloning conflict - Parkinson's disease	Stem cell research, cloning Embryonic stem cell research
Biotechnology Bio-mimicry Individualized drugs Molecular biology Tissue engineering Toxic chemical Transplants	8. Got silk - Biotech applications 9. For personal use only - Individualized drugs 10. A green light for biology - Making the invisible visible 11. Tissue Engineering - Building body parts 12. Deadly patterns - Toxicogenomics 13. Xenografts - Alternative transplants	Protein manipulation, insects Disease prevention Aquaculture, jellyfish protein Organ replacement Database of toxins Animal virus, anatomy, medical use
Botany New sweetener Salt-tolerant plants Trees	14. Sweet genes - A very sweet protein 15. Salt of the earth - Engineering salt-tolerant plants 16. Cloning around - Champion trees	Biotechnology, genetics Food supply Preservation of species, genetics
Careers in life sciences	17. Heal thyself - Research careers	Health, research, cancer
DNA Significance Structure	18. What if? A world without code - DNA 19. The secret of life - Discovery of DNA structure	Double helix structure Crystallography
Evolution Photosynthesis Shared evolution Similar paths Survival of the fittest	20. Sugar Rays - Evolutionary Plant Theories 21. Send in the marine - Help from the oceans 22. From slime to sublime - Evolutionary paths 23. Night of the twisted helix - Mutations & natural selection	Fossils, bacteria Aquaculture, inner ear Natural selection DNA changes, DNA analysis
Forensic Science Identifying children DNA profiling DNA analysis	24. A link for the Missing - DNA "Fingerprinting" 25. Justice DNA -Freeing the innocent 26. Naming the dead - Forensics identification	Genetic testing/DNA profiling DNA evidence DNA identification
Genetics/Hereditiy Aging Aggression Down syndrome Gender Genetic screening Hearing Music Risk-taking Pet genetics Twins	27. Spry worms - Aging Genes 28. On aggression - What makes us fight? 29. On down - Down syndrome 30. Facts of life - Gender determination 31. The chosen child - Screening genetic content 32. To hear - Genetic deafness 33. Perfect pitch - The musical gene 34. Risk-taking genes - Genes, environment, or both? 35. Rover redefined - Pet genetics 36. Testing zygotity - Are they identical or not?	Telomeres, immortal genes Scientific method, neurotransmitter Stem cell research Behavior, DNA Designer babies Genetic counseling Hereditiy Depression Genome mapping, pedigrees Genetic testing
Human Health Alcoholism Schizophrenia Blood pressure Cancer Breast Cancer Leukemia Diabetes Obesity Race and disease Sickle cell anemia Sleep patterns Smoking	37. Bar Flies - Alcoholism 38. Are there voices in the genes - Schizophrenia 39. A gene called ACE - Blood pressure 40. Cancer - Compiling the catalog 41. Case of the missing gene - Breast Cancer 42. In the blood - Leukemia 43. The diabetes cure - Creating hope 44. Fighting fat - New ways to win 45. Skin deep? Race and disease 46. Sickle cell anemia - Hope from gene therapy 47. Rhythm and Snooze - Circadian genes 48. Quick fix - Smoking in the genes	Scientific method, insects Genetic vs. environmental Genetic predisposition Tissue bank, genetics Genetic testing Stem cell research Drug discovery 'Thin' gene Genetic disease distribution Donor matching Internal clocks Addiction
Insects Bioaccumulation Honeybees	49. Six-legged spies - Bugs, bombs, and bioaccumulation 50. Case of the bad hives - Genetically engineered honeybees	Bioterrorism Parasite control/pollination

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