

Year	Title	Author	What to Read, View or Listen to..	Link
Y7	Dkfindout! Solar System	DK	Whole book	https://www.bookdepository.com/Dkfindout-Solar-System-DK/9781465454287?ref=grid-view&qid=1605770076989&sr=1-3
Y7	Article: Scientists Say - Nucleus	Carolyn Wilke	Whole Article	https://www.sciencenewsforstudents.org/article/scientists-say-nucleus
Y7	Article: Lets learn about batteries		Whole Article	https://www.sciencenewsforstudents.org/article/lets-learn-about-batteries
Y7	100 Things to know about Space	Usbourne	Whole book	https://www.bookdepository.com/100-Things-Know-About-Space-Various/9781409593928?ref=grid-view&qid=1610694850075&sr=1-1
Y7	How Things Work	Tamara J Resler	Whole book	https://www.bookdepository.com/How-Things-Work-Tamara-J-Resler/9781426325557?ref=grid-view&qid=1610695440744&sr=1-1
Y7	Article: Scientists say piezoelectric		Whole Article	https://www.sciencenewsforstudents.org/article/scientists-say-piezoelectric
Y7	Article: Bye bye batteries?		Whole Article	https://www.sciencenewsforstudents.org/article/piezoelectric-power-motion-sound-nylon-fabric-beacon
Y7	Article: What is a Planet?		Whole Article	https://www.sciencenewsforstudents.org/article/explainer-what-planet
Y7	Articles: What are black holes?	Stephen Ornes	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-what-are-black-holes
Y7	Article: Quantum is the world of the small	Stephen Ornes	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-quantum-world-super-small
Y8	Article: What is an Algorithm?		Whole Article	https://www.sciencenewsforstudents.org/article/explainer-what-is-an-algorithm
Y8	Article: What bats see when they see the world	Carolyn Wilke	Whole Article	https://www.sciencenewsforstudents.org/article/what-bats-see-when-they-probe-the-world-with-sound
Y8	Article: Frozen Smoke		Whole Article	https://www.sciencenewsforstudents.org/article/frozen-smoke-could-protect-electronics-from-annoying-static
Y8	Article: Butterflies use jet propulsion		Whole Article	https://www.sciencenewsforstudents.org/article/butterflies-use-jet-propulsion-for-quick-getaways
Y8	Article: Magnetar Flare	Lisa Grossman	Whole Article	https://www.sciencenewsforstudents.org/article/magnetar-flare-first-home-galaxy-star-fast-radio-burst
Y8	Article: Stars and their families	Ken Crosswell	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-stars-and-their-families-white-red-brown-dwarfs-supernovas

Y8	Article: How our Eyes Make Sense of Light	Bethany Brookshire and Tina Hesman Saey	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-how-our-eyes-make-sense-of-light
Y8	Article: The water cycle	Beth Geiger	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-earths-water-cycle
Y8	Article: Eclipses come in many forms	Sid Perkins	Whole Article	https://www.sciencenewsforstudents.org/article/eclipses-come-many-forms
Y9	Particle Physics: A graphic guide	Tom Whyntie	Whole book	https://www.bookdepository.com/Introducing-Particle-Physics-Tom-Whyntie/9781848315891?ref=grid-view&qid=1605083720221&sr=1-19
Y9	Women in Science: 50 fearless pioneers who Changed the World	Rachel Ignatofsky	Whole book	https://www.bookdepository.com/Women-Science-Rachel-Ignatofsky/9781607749769?ref=pd_detail_2_sims_cat_bs_1
Y9	Article: Juno's knocking on Jupiter's Door	Christopher Crockett	Whole Article	https://www.sciencenewsforstudents.org/article/junos-knocking-jupiters-door
Y9	Article: Our Atmosphere	Beth Geiger	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-our-atmosphere-layer-by-layer
Y9	Article: Rainbows, fogbows and their cousins	Matthew Cappucci	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-rainbows-fogbows-and-cousins
Y9	Article: Understanding Meteors and Meteorites	Matthew Cappucci	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-understanding-meteors-and-meteor-showers
Y9	Article: Anatomy of the Earth	Beth Geiger	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-earth-layer-layer
Y9	Article: Supercells	Matthew Cappucci	Whole Article	https://www.sciencenewsforstudents.org/article/supercell-its-king-thunderstorms
Y9	Introduction to Environmental Physics	Nigel Mason and Peter Hughes	Chapter 5: Energy for Living	https://www.amazon.co.uk/Introduction-Environmental-Physics-Planet-Climate-ebook/dp/B00VHP9HOC/ref=sr_1_1?keywords=introduction+to+environmental+physics&qid=1615960727&sr=8-1
Y10	Particle Physics A Very Short Introduction	Frank Close	Whole book	https://www.bookdepository.com/Particle-Physics-Very-Short-Introduction-Frank-Close/9780192804341?ref=pd_detail_2_sims_cat_bs_1
Y10	Nuclear Physics A Very Short Introduction	Frank Close	Whole book	https://www.bookdepository.com/Nuclear-Physics-Very-Short-Introduction-Frank-Close/9780198718635?ref=pd_detail_1_sims_b_p2p_1
Y10	Radioactivity A very Short Introduction	Claudio Tuniz	Whole book	https://www.bookdepository.com/Radioactivity-Very-Short-Introduction-Claudio-Tuniz/9780199692422?ref=pd_detail_1_sims_b_p2p_1
Y10	Article: What is Ultrasound	Silke Schmidt	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-what-ultrasound
Y10	Article: Why do some Clouds Glow in the Dark	Matthew Cappucci	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-why-some-clouds-glow-dark

Y10	Introduction to Environmental Physics	Nigel Mason and Peter Hughes	Chapter 4: The Urban Environment	https://www.amazon.co.uk/Introduction-Environmental-Physics-Planet-Climat-ebook/dp/B00VHP9HOC/ref=sr_1_1?keywords=introduction+to+environmental+physics&qid=1615960727&sr=8-1
Y10	Physics for Scientists and Engineers	Serway and Jewett	Chapter 14: Fluid Mechanics	ebook available on taobao
Y10	Physics for Scientists and Engineers	Serway and Jewett	Chapter 35: Image formation	ebook available on taobao
Y11	Black Holes - the BBC Reith Lectures	Steven Hawking	Whole book (is very short)	https://www.bookdepository.com/Black-Holes-Reith-Lectures-Stephen-Hawking/9780857503572?ref=grid-view&qid=1605256004492&sr=1-3
Y11	Prisons of light	Kitty Fergusson	Whole book (is very short)	https://www.bookdepository.com/Prisons-Light-Black-Holes-Kitty-Ferguson/9780521625715?ref=grid-view&qid=1605856709828&sr=1-12
Y11	A Brief History of Time: Illustrated Edition	Steven Hawking	Whole book	https://www.bookdepository.com/Brief-History-Time-Stephen-Hawking/9780553103748?ref=pd_detail_1_sims_b_p2p_1
Y11	Astrophysics A Very Short Introduction	James Binney	Whole book	https://www.bookdepository.com/Astrophysics-Very-Short-Introduction-James-Binney/9780198752851?ref=pd_detail_1_sims_b_p2p_1
Y11	Introduction to Environmental Physics	Nigel Mason and Peter Hughes	Chapter 8: Observing Earth's Weather	https://www.amazon.co.uk/Introduction-Environmental-Physics-Planet-Climat-ebook/dp/B00VHP9HOC/ref=sr_1_1?keywords=introduction+to+environmental+physics&qid=1615960727&sr=8-1
Y11	Introduction to Environmental Physics	Nigel Mason and Peter Hughes	Chapter 7: The Sun and Atmosphere	https://www.amazon.co.uk/Introduction-Environmental-Physics-Planet-Climat-ebook/dp/B00VHP9HOC/ref=sr_1_1?keywords=introduction+to+environmental+physics&qid=1615960727&sr=8-1
Y11	Thermodynamics: Concepts and Applications	Stephen R Turns and Laura L Pauley	Chapter 1: Beginnings	ebook available on taobao
Y11	Physics for Scientists and Engineers	Serway and Jewett	Chapter 43: Nuclear Physics	ebook available on taobao
Y12	Feynman Lectures Vol.1	Richard Feynman	Lecture	https://www.bookdepository.com/Feynman-Lectures-on-Physics-Vol-I-Matthew-Sands/9780465024933?ref=pd_detail_2_sims_cat_bs_1
Y12	Classical Mechanics: The Theoretical Minimum	Leonard Susskind	Whole Book	https://www.bookdepository.com/Classical-Mechanics-George-Hrabovsky/9780141976228?ref=grid-view&qid=1605256122034&sr=1-3

Y12	The Order of Time	Carlo Rovelli	Whole Book	https://www.bookdepository.com/Order-Time-Carlo-Rovelli/9780141984964?ref=grid-view&qid=1610695641382&sr=1-1
Y12	Article: How are snowflakes made?	Matthew Cappucci	Whole Article	https://www.sciencenewsforstudents.org/article/how-snowflake-made
Y12	Article: Gravitational Waves	Christopher Crockett and Andrew Grant	Whole Article	https://www.sciencenewsforstudents.org/article/explainer-what-are-gravitational-waves
Y12	Electrical Engineering	Allan R. Hambley	Chapter 7: Logic Circuits	In Mr Harbinson's Office
Y12	Introduction to Environmental Physics	Nigel Mason and Peter Hughes	Chapter 4: The Urban Environment	https://www.amazon.co.uk/Introduction-Environmental-Physics-Planet-Climate-ebook/dp/B00VHP9HOC/ref=sr_1_1?keywords=introduction+to+environmental+physics&qid=1615960727&sr=8-1
Y12	Physics for Scientists and Engineers	Serway and Jewett	Chapter 11: Angular Momentum	ebook available on taobao
Y12	Physics for Scientists and Engineers	Serway and Jewett	Chapter 12: Static Equilibrium and Elasticity	ebook available on taobao
Y12	Physics for Scientists and Engineers	Serway and Jewett	Chapter 41: Atomic Physics	ebook available on taobao
Y13	Thermodynamics	Enrico Fermi	Chapters 1 to 3	https://www.bookdepository.com/Thermodynamics-Enrico-Fermi/9780486603612?ref=grid-view&qid=1605256058550&sr=1-1
Y13	The Quantum World	Kenneth W Ford	Whole book	https://www.bookdepository.com/The-Quantum-World/9780674018327
Y13	Feynman Lectures Vol.2	Richard Feynman	Lecture	https://www.bookdepository.com/Feynman-Lectures-on-Physics-Vol-II-Matthew-Sands/9780465024940?ref=pd_detail_1_sims_b_p2p_1
Y13	Feynman Lectures Vol.3	Richard Feynman	Lecture	https://www.bookdepository.com/Feynman-Lectures-on-Physics-Vol-III-Matthew-Sands/9780465025015?ref=pd_detail_1_sims_b_p2p_1
Y13	Quantum Mechanics: The Theoretical Minimum	Leonard Susskind	Whole Book	https://www.bookdepository.com/Quantum-Mechanics--The-Theoretical-Minimum/9780141977812
Y13	Lectures on Quantum Physics	Paul Dirac	Whole book	https://www.bookdepository.com/Lectures-on-Quantum-Mechanics-Paul-M-Dirac/9780486417134?ref=pd_detail_1_sims_b_p2p_1

Y13	Student Guide to the Schrodinger Equation	Daniel A. Fleisch	Whole book	https://www.amazon.co.uk/Students-Guide-Schr%C3%B6dinger-Equation-Guides-ebook/dp/B087MNKBC7/ref=sr_1_22_sspa?dc_hlid=1&keywords=physics&qid=1607913770&s=digital-text&sr=1-22-spons&psc=1&spLa=ZW5jcnlwdGVkUXVhbGlmYWVvPUEyNlkzRVgxNTM4U1ZGJmVuY3J5cHRlZElkPUEwMzAwNzE2N1dZSTlyWTISRlVSJmVuY3J5cHRlZEFkSWQ9QTA4MjY3NDYxUTUwWk9VNThURUpUJndpZGdldE5hbWU9c3BfYnRmJmFjdGlvbj1jbGlja1JlZGlyZWNOJmRvTm90TG9nQ2xpY2s9dHJ1ZQ==
Y13	Student Guide to Maxwells Equations	Daniel A. Fleisch	Whole book	https://www.amazon.co.uk/gp/product/B077ZBVPZ/ref=db_s_a_def_rwt_hsch_vapi_tkin_p1_i2
Y13	The Kelvin Helmholtz Instability		Whole Article	https://www.sciencedirect.com/topics/earth-and-planetary-sciences/kelvin-helmholtz-instability
Y13	Electrical Engineering	Allan R. Hambley	Chapter 10: Amplifiers	In Mr Harbinson's Office
Y13	Introduction to Environmental Physics	Nigel Mason and Peter Hughes	Chapter 9: Global Weather Patterns and Climate	https://www.amazon.co.uk/Introduction-Environmental-Physics-Planet-Climate-ebook/dp/B00VHP9HOC/ref=sr_1_1?keywords=introduction+to+environmental+physics&qid=1615960727&sr=8-1
Y13	Physics for Scientists and Engineers	Serway and Jewett	Chapter 21: Heat Engines, Entropy and the Second Law	ebook available on taobao
Y13	Cosmic Dawn: The Quest for the First Galaxies	Professor Richard Ellis	Video	https://www.youtube.com/watch?v=aSaicvP360w
Y13	To Infinity and Beyond: Life in our Solar System - Redefining the Habitable Zone	Professor Andrew Coates	Video	https://www.youtube.com/watch?v=YBjlfzQXUtU
Y12	On Supernovae and Serendipity	Dr Steve Fossey	Video	https://www.youtube.com/watch?v=JFOPIIXTItA&list=PL3pa6ekyhtl0z4hiuMYTGypd9vw1PXQgA
Y13	Gravity and Continuum	Dr Christian Bohmer	Video	https://www.youtube.com/watch?v=0smpUEd62y4&list=PL3pa6ekyhtl0z4hiuMYTGypd9vw1PXQgA&index=3
Y12	From Euclid to modern geometry: Do the angles of a triangle really add up to 180°?	Professor Mark Ronan	Video	https://www.youtube.com/watch?v=Hwi_FGkgloo&list=PL3pa6ekyhtl0z4hiuMYTGypd9vw1PXQgA&index=4
Y12	Photons, spacecraft, atomic clocks & Einstein	Professor Marek Ziebart	Video	https://www.youtube.com/watch?v=Rp8h_yB6mck&list=PL3pa6ekyhtl0z4hiuMYTGypd9vw1PXQgA&index=5
Y13	Light and darkness in the accelerating universe	Professor Ofer Lahav	Video	https://www.youtube.com/watch?v=d35JI9BfnH8&list=PL3pa6ekyhtl0z4hiuMYTGypd9vw1PXQgA&index=6

Y13	The highs and lows of our nearest star, the Sun	Professor Lucie Green	Video	https://www.youtube.com/watch?v=xJ32uW-FQN0&list=PL3pa6ekyhtl0z4hiuMYTGypd9vw1PXQgA&index=7
Y12	From gases to gloops: instabilities in fluids	Dr Helen Wilson	Video	https://www.youtube.com/watch?v=eT2H91huOA8&list=PL3pa6ekyhtl0z4hiuMYTGypd9vw1PXQgA&index=12
Y13	Cosmic archaeology	Dr Amelie Saintonge	Video	https://www.youtube.com/watch?v=VUoRmzUU9Wc
Y12	Bubbles and science	Dr Helen Czerski	Video	https://www.youtube.com/watch?v=96m55OvYvRQ
Y12	Adventures in the 7th Dimension	Dr Jason Lotay	Video	https://www.youtube.com/watch?v=3wiizR2medM
Y13	How did the Earth Begin?	Dr Lars Stixrude	Video	https://www.youtube.com/watch?v=VyBMqy0qbbk
Y12	Landing on a Planet at 600 mph	Professor Alan Smith	Video	https://www.youtube.com/watch?v=LPBWiVEANhk
Y12	3D imaging: nanotechnology and the quest for better medical sensors	Professor Ian Robinson	Video	https://www.youtube.com/watch?v=KCvDTi21gNo
Y12	Exploring the Arctic from Space	Dr Katharine Giles	Video	https://www.youtube.com/watch?v=xYxyv8WUQjo
Y8	Turbulence: one of the great unsolved mysteries of physics		Video	https://www.youtube.com/watch?v=S3i6tJ4XNqA
Y8	Just how small is an atom		Video	https://www.youtube.com/watch?v=yQP4UJhNn0I&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=2
Y7	What's more invisible than you?		Video	https://www.youtube.com/watch?v=8EUy_82lChY&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=3
Y8	What is the Universe made of?		Video	https://www.youtube.com/watch?v=CBZH4dMacQ&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=4
Y8	A guide to the Energy of the Earth		Video	https://www.youtube.com/watch?v=fHtZd6k5ZXY&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=6
Y8	Why aren't we only using solar power?		Video	https://www.youtube.com/watch?v=k8d5Pf7VliU&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=7
Y7	How Tsunamis work?		Video	https://www.youtube.com/watch?v=Wx9vPv-T51I&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=8
Y7	The beginning of the Universe for Beginners		Video	https://www.youtube.com/watch?v=DmUiCweDic4&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=9
Y9	Why is glass transparent?		Video	https://www.youtube.com/watch?v=VwRLIt6jgdM&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=10

Y9	Is time-travel possible?		Video	https://www.youtube.com/watch?v=7H3ksmxwpWc&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=11
Y9	The uncertain location of electrons		Video	https://www.youtube.com/watch?v=8ROHpZO A70I&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=12
Y7	How fast are you moving right now?		Video	https://www.youtube.com/watch?v=wlvzfk5ozU&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=13
Y9	What is an Aurora?		Video	https://www.youtube.com/watch?v=czMh3BnHFHQ&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=37
Y7	What is colour?		Video	https://www.youtube.com/watch?v=UZ5UGnU7oOI&list=PLhDvDID3b85zmvERO_rSSUj3FVWScEA_X&index=41
Y11	Should nuclear power be a part of our energy system?		Audio Podcast	http://podcasts.ox.ac.uk/should-nuclear-power-be-part-our-energy-system
Y11	How do you build a greener country?		Audio Podcast	http://podcasts.ox.ac.uk/how-do-you-build-greener-country
Y11	What is antimatter?		Audio Podcast	http://podcasts.ox.ac.uk/what-antimatter
Y10	How do you measure a Mars quake?		Audio Podcast	http://podcasts.ox.ac.uk/how-do-you-measure-mars-quake
Y10	What does Hollywood get right and wrong when science is in the storyline?		Audio Podcast	http://podcasts.ox.ac.uk/what-does-hollywood-get-right-and-wrong-when-science-storyline-0
Y10	How do you make scientific equipment space proof?		Audio Podcast	http://podcasts.ox.ac.uk/how-do-you-make-scientific-equipment-space-proof
Y11	How do you make a reliable weather forecast?		Audio Podcast	http://podcasts.ox.ac.uk/how-do-you-make-reliable-weather-forecast
Y11	How does sunlight damage DNA?		Audio Podcast	http://podcasts.ox.ac.uk/light-part-3-how-does-sunlight-damage-dna
Y10	Harnessing a single photon		Audio Podcast	http://podcasts.ox.ac.uk/light-part-2-harnessing-single-photon
Y10	Seeing across the galaxy		Audio Podcast	http://podcasts.ox.ac.uk/senses-part-3-seeing-across-galaxy
Y10	How mountains are made		Audio Podcast	http://podcasts.ox.ac.uk/land-sea-and-air-part-1-how-mountains-are-made
Y11	Oppenheimer: father of the atomic bomb		Audio Podcast	http://podcasts.ox.ac.uk/explosions-part-1-oppenheimer-father-atomic-bomb
Y11	Exoplanets		Audio Podcast	http://podcasts.ox.ac.uk/theres-no-place-home-part-3-exoplanets
Y10	Matters of Scale		Audio Podcast	http://podcasts.ox.ac.uk/matters-scale-complete-episode
Y11	Hume: Induction and Belief		Audio Podcast	http://podcasts.ox.ac.uk/hume-20184-induction-and-belief
Y10	Hume: Probability and the idea of necessity		Audio Podcast	http://podcasts.ox.ac.uk/hume-20185-probability-and-idea-necessity