Out of lesson work
Year 9

Expectations:

Email class teacher in the morning to ask which lesson will be delivered that day.

- Click on the video links or the BBC bitesize links to support your learning and make notes.
- Click on the Oak Academy link to complete work.
- Email any work to your class teacher

Term	Topic	Video links	BBC Bitesize Reading	Oak Academy link	SPARX codes
1 Sept - Dec	Energy stores and calculations	https://www.youtube.com/watch?v=VUworhvk5rw https://www.youtube.com/watch?v=FIL9usUCeLA&t=107s https://www.youtube.com/watch?v=HAMd-qZN4Y0	https://www.bbc.co.uk/bitesize/articles/zg2sn9q https://www.bbc.co.uk/bitesize/articles/zm6yf82	https://www.thenational.academy/teachers/programmes/physics-secondary-ks4-foundation-edexcel/units/energy-of-moving-objects/lessons/calculating-energy-changes-ke-and-dgpe	F809 F597 F299 **F693 F353 F725** **F582 F574 F194** **F783 F645** **Skills: 251** SC1: F351 F735 F736 F846 F737 F181 F580 F417 F897
	Earth's resources and sustainability	https://www.youtube.com/watch?v=AG4v9l4OAaY	https://www.bbc.co.uk/bitesize/articles/zphthcw#zm8m6g8 https://www.bbc.co.uk/bitesize/articles/zsgkdp3 https://www.bbc.co.uk/bitesize/topics/z3fv4wx	https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/materials/lessons https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/carbon-cycle-and-climate-change/lessons https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/climate-change-and-biodiversity/lessons	F140 F697 F185 F597 F260 F401 F549 F957 F131 F240 F726 F190 F464 **Skills: 251 152** SC1: F351 F735 F736 F846 F737 F181 F580 F417 F897
	Inheritance and variation	https://www.youtube.com/watch?v=iBoXpURc1es&t=21s https://www.youtube.com/watch?v=ZmTSnZ7Z3Vs	https://www.bbc.co.uk/bitesize/topics/zpffr82	https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/variation-differences-within-species/lessons	F592 F288 F481 F336 F718 F280 F161 F836 F491 F215 F832 F948 **SC1: F351 F735 F736** **F846 F737 F181 F580** **F417 F897**
	Forces, pressure and moments	https://www.youtube.com/watch?v=IhNXeivjHkY https://www.youtube.com/watch?v=CyHTYdgWXzI&t=38s	https://www.bbc.co.uk/bitesize/articles/z96g3j6 https://www.bbc.co.uk/bitesize/articles/zvdpf82	https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/hidden-forces/lessons/turning-forces	F942 F224 F913 F860 F560 F327 F728 F983 F624 F503 **SC1: F351 F735 F736** **F846 F737 F181 F580** **F417 F897**
2 Jan-March	Further chemical reactions	https://www.youtube.com/watch?v=WUSrEKv6x94&t=247s https://www.youtube.com/watch?v=YXMZglAfgxM	https://www.bbc.co.uk/bitesize/topics/zypsgk7 https://www.bbc.co.uk/bitesize/articles/zwxhk2p	https://www.thenational.academy/teachers/programmes/chemistry-secondary-ks4-higher-aqa/units/calculations-involving-masses/lessons/three-types-of-chemical-reaction#slide-deck	F686 F905 F780 F385 F749 F223 F302 F965 F921 F788 F564 F553 F758 **SC1: F351 F735 F736** **F846 F737 F181 F580** **F417 F897** **SC1: F351 F735 F736** **F846 F737 F181 F580** **F417 F897**

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	Plant Biology	https://www.youtube.com/watch?v=g2Y_IlEWXyE https://www.youtube.com/watch?v=bLFBNYUJSOQ	https://www.bbc.co.uk/bitesize/articles/zkm7wnb https://www.bbc.co.uk/bitesize/articles/z2vrr2p https://www.bbc.co.uk/bitesize/articles/zj7wywx https://www.bbc.co.uk/bitesize/articles/zn4sv9q	https://www.thenational.academy/teachers/programmes/science-secondary-ks3/units/plant-nutrition-and-photosynthesis/lessons	F516 F345 F757 F235 F278 F233 F917 F281 F111 F531 F578 F950 **SC1: F351 F735 F736 F846 F737 F181 F580 F417 F897**
3 April – July	Particle model (Step up)	https://www.youtube.com/watch?v=zjkBMk5d3tM	https://www.bbc.co.uk/bitesize/topics/z3ybb82	https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/particle-explanations-of-density-and-pressure/lessons	R252 R161 R128 R791 R621 R527 R641 R927 R989 R951 R614 **SC1: F351 F735 F736 F846 F737 F181 F580 F417 F897**
	Periodic Table and Atomic structure (Step up)	https://www.youtube.com/watch?v=IvE0vkTdN-I **https://www.youtube.com/watch?v=kvTzdD1eGUQ**	https://www.bbc.co.uk/bitesize/guides/zg923k7/revision/2 https://www.bbc.co.uk/bitesize/guides/z3sg2nb/revision/3 https://www.bbc.co.uk/bitesize/guides/z3sg2nb/revision/5	https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/atomic-structure-and-the-periodic-table/lessons	R889 R333 R994 R711 R671 R616 R550 R793 R945 R646 R365 R330 R293 R684 **SC1: F351 F735 F736 F846 F737 F181 F580 F417 F897**
	Cells and cell transport Biology (Step up)	https://www.youtube.com/watch?v=tM0bGaaQ2jY https://www.youtube.com/watch?v=qHkUOlC8Nbo https://www.youtube.com/watch?v=lxHMJaXOzP4 https://www.youtube.com/watch?v=vCJVXYmXkzM	https://www.bbc.co.uk/bitesize/topics/z2s8v9q https://www.bbc.co.uk/bitesize/guides/zc7k2nb/revision/1 https://www.bbc.co.uk/bitesize/guides/zs63tv4/audio	https://www.thenational.academy/teachers/programmes/combined-science-secondary-ks4-foundation-aqa/units/eukaryotic-and-prokaryotic-cells/lessons	R848 R489 R220 R976 R509 R878 R132 R585 R258 R786 R368 R478 R264 R428 R534 R949 R685 R110 R786 R137 **Skills: 897 296 348 667** SC1: F351 F735 F736 F846 F737 F181 F580 F417 F897
KAST 1 revision **January**					
KAST 2 revision **June**					

Other Resources include:

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Bitesize flashcards that can be seen or printed - https://www.bbc.co.uk/bitesize/topics/zqwdywx

Free Science Lessons – On You tube - https://www.freesciencelessons.co.uk/

Your revision Guide from school

Bitesize exam practice quick fire questions - https://www.bbc.co.uk/bitesize/examspecs/z8r997h

Cognito for exam papers, questions and quizzes - https://cognitoedu.org/