Post 16 Biology things to do:

Competition:

The Royal Society of Biology has a photography competition with the theme 'our changing world' more information can be found by following the link.

https://www.rsb.org.uk/get-involved/rsb-competitions/photography-competition

The prize for the winner of the under 18 competition is £500

Reading:

We have split these reading lists into 3 categories, this is to give you an idea of how 'easy' the reading is – for example Bill Bryson's 'The Body' whilst very factual and interesting is designed for the general population to read. On the other hand 'Evolution in 4 dimensions' is designed with a biologist in mind – if evolution is your thing – give it a go!

Category 1 are the easiest reads and category 3 are the most difficult – but all worthwhile.

Category 1	*Category 2*	*Category 3*
'The Body' Bill Bryson	https://thebiologist.rsb.org.uk/biologist	'Evolution in 4 dimensions' Eva Jablonka & Marion J.Lamb
'A short history of nearly everything' Bill Bryson	'Darwin comes to Town' Memo Schilthuizen	'The Epigenetics Revolution' Nessa Carey
'Sapiens' Yuval Noah Harari	'The immortal life of Henrietta Lacks' Rebecca Skloot	'The Cell: Discovering the microscopic World that Determines our Health, Consciousness, and Our Future' Joshua Z.Rappoport PhD, Barry Abrams et al.
'Homo Deus' Yuval Noah Harari	'Evolution: The Human Story, 2nd edition' Alice Roberts	'Life: an unauthorized biography' Richard Fortey
'The Selfish Gene' Richard Dawkins	'The soul of an octopus' Sy Montgomery	
'The Ancestor's Tale' Richard Dawkins and Yan Wong	'The Gene: An intimate history' Siddhartha Mukherjee	
'This is going to hurt' Adam Kay	'In the shadow of man' Jane Goodall	
'Human Universe' Brian Cox	'The Book of Humans' Adam Rutherford	
'Life on Earth' David Attenborough		
'Anatomy and physiology for dummies'		

Tasks

Option 1:

https://pbiol.rsb.org.uk/cells-to-systems/support-and-movement/observing-earthworm-locomotion

The idea is to find Earthworms and compare their movement on different surfaces. The link above gives the details of the experiment and how to do so.

Earthworms are living organisms – treat them like you would other animals and return safely to where you found them when you have completed your experiment.

Write your own experimental method

Complete the experiment

Video and record the movement that the earthworms use and the distance moved on different surfaces.

Option 2:

https://microbiologyonline.org/students/microbe-passports-1

Microbes, particularly viruses, currently have made a bad name for themselves..!

Use the microbe passport link to discover some GOOD microbes.

Write a newspaper article sticking up for microbes explaining how important they are in our lives

Option 3:

Animal behaviour – see the worksheet with all the links you need to live feeds of different animals and do some investigations of your own.