

Friday

PRIOR

09.00 Law of free fall (both with certain minor modifications) were logical consequences of his laws of motion and gravitation. So a single set of laws could explain the motions of bodies in both terrestrial and celestial domains, and were formulated by Newton in a precise quantitative form.

12.00 • Confidence in the Newtonian picture was shattered in the early years of the 20th century, thanks to revolutionary new developments in physics: relativity theory and quantum mechanics. Relativity theory, discovered by Einstein, showed that Newtonian mechanics does not give the right results when applied to very massive objects, or objects moving at very high velocities. Quantum mechanics, conversely, shows that the Newtonian theory does not work when applied on a very small scale, to subatomic particles.

16.00 • In biology, the event that stands out is Charles Darwin's discovery of the theory of evolution by natural selection, published in *The Origin of Species* in 1859.

18.00 • In 1953 Watson and Crick discovered the structure of DNA, the hereditary material that makes up the genes in the cells of living creatures. Watson and Crick's discovery explained how genetic information can be copied from one cell to another, and thus passed down from parent to offspring, thereby explaining why offspring tend to resemble their parents.

wk	December 2023							wk	January						
	Mo	Tu	We	Th	Fr	Sa	Su		Mo	Tu	We	Th	Fr	Sa	Su
48						1	2	3	01	1	2	3	4	5	6
49	4	5	6	7	8	9	10	02	8	9	10	11	12	13	14
50	11	12	13	14	15	16	17	03	15	16	17	18	19	20	21
51	18	19	20	21	22	23	24	04	22	23	24	25	26	27	28
52	25	26	27	28	29	30	31	05	29	30	31				