

Physics KS5 Workset

Due to Covid we were unable to study the Astrophysics Topic. To satisfy your curiosity you will find attached some course notes on the 3 topics:

1. Telescopes
2. Surveying the stars
3. Cosmology

In addition there are answers to questions you will find in the text. To check your understanding the Astrophysics Objective test has all been set-up for you to attempt.

I'm sure you're all missing Isaac Physics so Factsheets L7 (Stars) and L8 (History of the Universe) have been set together with assignments K1 (Red shift and Hubble's Law) and K2 Exponential Extrapolation.

For those wanting an accompanying easy read try *Universal: A Guide to the Cosmos* by Brian Cox.

On Prime or Youtube you'll find some great documentaries by the Royal Institute, Jim al Khalili or Brian Cox.

Examples include:

- Jim al Khalili: The Beginning and end of the universe

<https://www.youtube.com/watch?v=tIUPL6Adgac>

- The world according to physics:

<https://www.youtube.com/watch?v=gKrjOD3ZeO0>

Have a great summer!