

## **IGCSE Physics (9-1) Specification 8(c)**

### **(c) Stellar evolution**

**Students should:**

**8.7** understand how stars can be classified according to their colour

**8.8** know that a star's colour is related to its surface temperature

**8.9** describe the evolution of stars of similar mass to the Sun through the following stages:

- nebula
- star (main sequence)
- red giant
- white dwarf.

**8.10** describe the evolution of stars with a mass larger than the Sun

**8.11P** understand how the brightness of a star at a standard distance can be represented using absolute magnitude

**8.12P** draw the main components of the Hertzsprung–Russell diagram (HR diagram)