**Graphical user interface

Description automatically generated with medium confidenceSpace** (Phys)

RAG your understanding.

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|  | **Start of Topic** | **End of Topic** | **Revised** |
| P.8.1.1.a - I can list the types of body that make up the solar system, and describe our solar system as part of a galaxy. |  |  |  |
| P.8.1.1.b. - I can explain that stars are formed by gas and dust being drawn together by gravity causing fusion reactions which lead to an equilibrium between the gravitational collapse of a star and the expansion of a star due to fusion energy. |  |  |  |
| P.8.1.2.a. - I can describe the life cycle of a star the size of the Sun, and of a star which is much more massive than the Sun. |  |  |  |
| P.8.1.2.b. -- I can explain how fusion processes lead to the formation of new elements, and how supernovas have allowed heavy elements to appear in later solar systems. |  |  |  |
| ***P.8.1.3.a (HT) - I can explain that, for circular orbits, the force of gravity leads to a constantly changing velocity but unchanged speed.*** |  |  |  |
| ***P.8.1.3.b (HT) - I can explain that, for a stable orbit, the radius must change if the speed changes.*** |  |  |  |
| P.8.2.1.a. - I can explain, qualitatively, the red-shift of light from galaxies that are receding, and how this red-shift changes with distance from Earth |  |  |  |
| P.8.2.1.b. - I can explain why the change of each galaxy’s speed with distance is evidence of an expanding universe |  |  |  |

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| **Doddle Quizzes** | **Mark:** | **Out of:** |
| <https://www.doddlelearn.co.uk/app/teacher/launch-content/e8918f4b-e70e-40ba-806e-bdb44bdc97c4> |  | 25 |
| <https://www.doddlelearn.co.uk/app/teacher/launch-content/99f91170-3962-4d9a-9e62-2daaf8a7ab28> |  | 25 |
| <https://www.doddlelearn.co.uk/app/teacher/launch-content/858112b7-d98d-4335-ae84-258ce0ecd869> |  | 25 |
| <https://www.doddlelearn.co.uk/app/teacher/launch-content/ed0f59a7-96a6-4ce9-bfbc-1db9af28092e> |  | 25 |