

Study Plan for stardeaths

| Date | Time | Summary | Description |
|------------------|---------------------|---------------------------|--|
| 2025-09-08 (Mon) | 10:00 AM - 12:00 PM | Study: Star Basics | Review the definition of stars, their composition, and the history of star death observations. Focus on the basics. |
| 2025-09-15 (Mon) | 10:00 AM - 12:00 PM | Study: Star Birth | Explore the formation of stars from stellar nebulas and protostars. Understand the role of gravity and angular momentum. |
| 2025-09-22 (Mon) | 10:00 AM - 12:00 PM | Study: Nuclear Fusion | Understand the process of nuclear fusion in stars, including the transformation of hydrogen into helium and the release of energy. |
| 2025-09-29 (Mon) | 10:00 AM - 12:00 PM | Study: Life Cycle of Star | Review the main sequence and the overall life cycle of a star. Understand the different stages and their characteristics. |
| 2025-10-06 (Mon) | 10:00 AM - 12:00 PM | Study: Planetary Nebulae | Study the formation of planetary nebulae from average-sized stars, including the shedding of outer layers and the emission of ultraviolet light. |
| 2025-10-13 (Mon) | 10:00 AM - 12:00 PM | Study: Supernova | Learn about the death of massive stars in a supernova explosion, including the production of iron in the core and the subsequent collapse. |
| 2025-10-20 (Mon) | 10:00 AM - 12:00 PM | Study: Neutron Stars | Understand the formation of neutron stars from the collapsing core of a supernova, including the combination of protons and electrons into neutrons. |
| 2025-10-27 (Mon) | 10:00 AM - 12:00 PM | Study: Pulsars | Explore the properties of pulsars, which are highly magnetized neutron stars that emit beams of electromagnetic radiation. |

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| 2025-11-03 (Mon) | 10:00 AM - 12:00 PM | Study: Societal Benefits | Review the societal benefits of studying stars, including their role in the creation of elements. |
| 2025-11-10 (Mon) | 10:00 AM - 12:00 PM | Study: Review Star Basics | Revisit the star basics. |
| 2025-11-17 (Mon) | 10:00 AM - 12:00 PM | Study: Review Star Death | Revisit the end of a Star's life |
| 2025-11-24 (Mon) | 10:00 AM - 12:00 PM | Study: Comprehensive Review | Comprehensive review of all topics covered in the course. Focus on areas of weakness. |
| 2025-12-01 (Mon) | 10:00 AM - 12:00 PM | Study: Final Exam Prep | Final preparation for the final exam. Practice problems and review key concepts. |
| 2025-12-08 (Mon) | 10:00 AM - 12:00 PM | Study: Review | Last Review |
| 2025-12-15 (Mon) | 10:00 AM - 12:00 PM | Study: Contingency | Contingency Study Block |
| 2025-12-22 (Mon) | 10:00 AM - 12:00 PM | Study: Buffer Week | Buffer Week |