

Astronomy Lesson Plan

The Life of a Star

Grade Level: 9-12

Overview	<p>Following this activity, students will be able to:</p> <ul style="list-style-type: none"> ○ Name the different stages of a star’s life ○ Be able to explain what happens during each of the stages of a star’s life ○ Work with iGoogle with ease ○ Come to an understanding why everything happens and be able to explain it to the whole class 						
Objectives	<p>After researching the different stages of a star’s life and creating a project that explains them. Students will be able to answer questions about the different stages of a star’s life with 90% accuracy.</p>						
Standards	<p>ES.1.4 Describe Hubble’s law. Identify and understand that the “Big Bang” theory is the most widely accepted theory explaining the formation of the universe.</p> <p>ES.1.5 Understand and explain the relationship between planetary systems, stars, multiple-star systems, star clusters, galaxies, and galactic groups in the universe.</p> <p>ES.1.7 Describe the characteristics and motions of the various kinds of objects in our solar system, including planets, satellites, comets, and asteroids.</p>						
Materials	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Computer that is internet accessible</td> <td style="width: 50%;">Markers</td> </tr> <tr> <td>Poster</td> <td>Glue Sticks</td> </tr> <tr> <td>Computer Paper and Printer</td> <td></td> </tr> </table>	Computer that is internet accessible	Markers	Poster	Glue Sticks	Computer Paper and Printer	
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Procedure	<ol style="list-style-type: none"> 1. Before beginning this activity, I will cover different materials on the stages of a star’s life. 2. Then proceed to tell them about what we will be doing in this activity. Once I have done this, ask the students to split into groups of 5 students of their choice. Once the students have split into their groups. 3. After the students have split into their groups, then tell them that the only site they can use to complete this project is iGoogle. 4. Once the students have logged into a computer, then have every student create an iGoogle account if they already do not have one. Once they have done this, and then explain to them the different gadgets that make up iGoogle. 5. After I have done this, then allow the students to get started. The first thing the group must do is find a constellation that is currently in the sky. One of the ways they can do this is by adding the sky above you application onto their personalized page. <ul style="list-style-type: none"> -this page allows the students to see the current Constellations positions. 6. Once the students have completed this, then they can start researching the different stages of star’s life 7. After they have found out what happens during the different 						

	<p>stages, the students must then be able to apply those stages to the constellation that they had chosen and create a project.</p> <ul style="list-style-type: none"> -the students will not be able to complete the project within the time period of the class, so they must find ways to communicate through iGoogle. -some of these ways can be through video or voice chats -the students also can communicate by sharing websites, notes, and/or ideas by blogging, using Skype1.0, or by emailing each other with iGoogle. <p>8. Once the project is complete, the students will then present them to the class.</p>
Evaluation	<p>After the activity is complete, I will then have the students take a short quiz on the different stages of a star's life. The students must also have an understanding of the different stages of a star's life in order to present their projects to other students within the class.</p>