

Universe(al) Origins

Introduction: For thousands of years, people have wondered and speculated where the Earth, Moon, Sun and other celestial (*space*) objects came from. A variety of stories depicting how the Universe was created, but now science has caught up. Scientists are studying and finding evidence that explains the how our Universe began. This theory is called the **Big Bang Theory**.

Task: Your task will be to learn about the **Big Bang Theory** by using a variety of resources to create one of the following products:

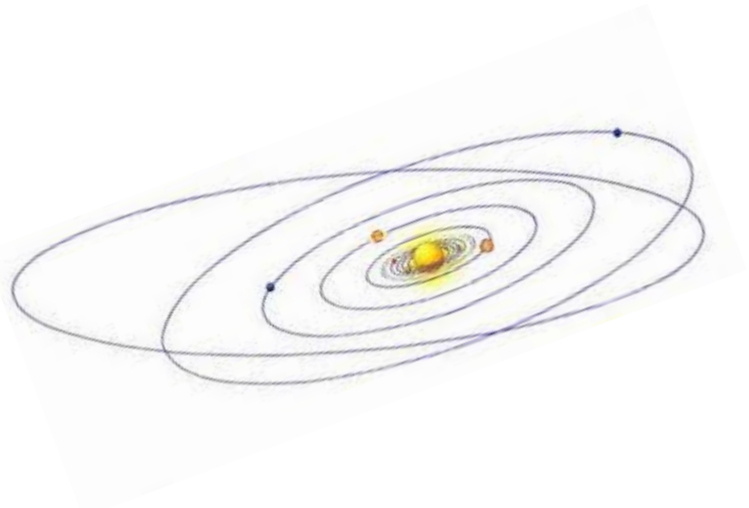
- *A series of poems explaining the **Big Bang Theory***
- *An Infograph explaining the **Big Bang Theory***
- *An argumentative essay explaining the evidence for the **Big Bang Theory***
- *A video or animation explaining the **Big Bang Theory***

Resources to Use: (all found at www.jonathansclassroom.com)

- BrainPop Big Bang Theory – Video
- Minute Physics Big Bang Theory – Video
- Cosmology: 5 Things You Need to Know – Reading
- When the Universe Began...Again – Reading
- A Shock to the Solar System – Reading
- Big Bang Theory: An Overview – Website
- Big Bang Theory for Kids – Reading

Schedule:

Day	Task to Be Completed
1	Project Introduction
2, 3 & 4	Background Research
5, 6, 7	Product Creation
8	Production Showcase



Universe(al) Origins Rubric

Required Components: ___ Completed Graphic Organizer ___ 1 Finished Product

Rubric:

Outcome	NY	MS	ES
<p>Communicate</p> <p>I am able to communicate ideas and information while being mindful of audience and purpose.</p>	<p>___ I do not have a thesis or my thesis is unclear.</p> <p>___ My introduction may be lacking the thesis and/or topic sentences, or may be missing entirely.</p> <p>___ My organization is lacking (which includes TIED format).</p> <p>___ I do not provide a conclusion or does not summarize the key points in my argument.</p>	<p>___ My thesis statement is formed by rewording the prompt.</p> <p>___ My introduction contains a thesis and topic sentences. Readers have a clear idea of the student's argument.</p> <p>___ My organization is clear (which includes TIED format).</p> <p>___ My conclusion of essay clearly summarizes her thesis and the key points in my argument.</p>	<p>___ My thesis statement is strong and in my own words.</p> <p>___ My introduction is extremely engaging, contains a thesis, and outlines my arguments clearly.</p> <p>___ I exhibit clear organization throughout the entire essay (which includes TIED format) by using appropriate and varied transitions.</p> <p>___ My conclusion is extremely engaging, such as summarizing my argument in a creative and persuasive manner.</p>
<p>Plan</p> <p>I can make deliberate plans, reflect upon and revise my plans so that I am able to achieve my goals.</p>	<p>___ I do not have drafts attached to the final piece or made no revisions</p> <p>___ During work periods, I am often off task</p> <p>___ I have missed deadlines</p> <p>___ My project has a messy appearance and/or looks like it was put together in a rush.</p>	<p>___ I hand in ALL project components with a few some small edits.</p> <p>___ During work periods, I am on task most of the time, but may need some teacher redirection</p> <p>___ I have met ALL of my deadlines</p> <p>___ My project has a clean and neat appearance</p>	<p>___ I hand in a draft to the final piece. I make significant revisions to the content of the essay to make it stronger</p> <p>___ During work times; I am on task and needs no teacher redirection.</p> <p>___ I have met ALL of my deadlines</p> <p>___ I put a tremendous amount of thought and effort into the appearance of my project</p>
<p>Argue</p> <p>I can support my viewpoints with scientific evidence based on literature and data.</p>	<p>I am unable to defend and argue her case, because I provide minimal to no evidence, or the evidence that is provided is invalid or irrelevant.</p> <p>___ I do not accurately introduce quotes.</p> <p>___ My discussion is weak or may be missing completely.</p>	<p>___ I am able to produce a basic argument by developing my topic with facts, details, quotations, or other specific information from the resources, but the evidence chosen could be stronger.</p> <p>___ I accurately introduce quotes.</p> <p>___ I am able to discuss my evidence and how it links and supports my thesis.</p>	<p>___ I produce an exceptionally strong argument by using the most effective and relevant facts, details, and quotations. I include evidence from multiple nonfiction texts.</p> <p>___ When citing and introducing quotes, I use as much specificity as possible.</p> <p>___ My discussion strongly links and supports my thesis statement. I show an extremely insightful analysis of the topic.</p>
<p>Discern</p> <p>I can read scientific information in order to discern details, patterns and trends.</p>	<p>___ I chose less than 2 resources to use for my project</p> <p>___ I use information and facts that are incorrect or irrelevant.</p>	<p>___ I chose at least 3 resources to use for my project.</p> <p>___ I use information and facts that are correct and relevant to my project, and my writing indicates an understanding of them.</p>	<p>___ I chose 4 or more multiple resources for my project.</p> <p>___ I use information and facts that are correct and relevant to my project, and my writing indicates I have a strong understanding of them.</p>