## Overview

Students will utilize Microsoft’s ‘decision’ engine Bing to search for astronomy related topics.

1. Explore the history behind the Big Bang Theory.
2. Students will need to create a timeline of the history of the universe using credible Bing sites.
3. Use Bing to search for and infer about results from real nighttime labs and astronomical fieldwork.
4. Review nearby stars and galaxies using different features of Bing.
5. Identify different types stars and galaxies using Bing.
6. Use Bing to formulate and answer other student’s essay questions.
7. Teach the students how to use multiple search avenues, not just Google.

## Objectives

### After exploring the Big Bang Theory, students should be able to:

1. Outline a basic timeline with 75% accuracy.

### After exploring stars and galaxies, students should be able to:

1. Determine different types of galaxies with 80% accuracy.
2. Determine what type and age of star with
<table>
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<th>80% accuracy. After completion of whole unit, student should be able to:</th>
<th>Standards</th>
<th>Students investigate, through the use of Bing, the universe, Earth, and space. Students explore the concepts of galaxies, stars, and the history of space. Students utilize knowledge of the materials and processes of Earth, planets, and stars in the context of the scales of time and size.</th>
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| 1. Classify types of stars and galaxies with 80% accuracy. | Materials | 1. Computer  
  2. Astronomy book  
  3. Bing search engine |
| 2. Give timeline for birth to present of the universe with 80% accuracy. | Procedure | 1. Students will use Bing to search facts about the Big Bang Theory and then use Bing and its related features to create a timeline.  
  2. Use Bing to search for real field reports and astronomical data. Students then need to infer about the data and give incite as to what it means and why it is relevant/import\nt. (need to cite sources)  
  3. Use Bing to search for stars and galaxies that they are interested in, then research them. |
| 3. Demonstrate a knowledge of how to use Bing and its features | Evaluations | When it comes to astronomy, there is so much to learn and so much to explore. Hopefully after students complete this lesson plan, they will have a basic knowledge of astronomy, as well as how to use Bing, and will want to explore further. Space is an important part of human history and will always be in existence, so it is important for students to learn about it. |

1. http://www.eduref.org/cgi-bin/printlessons.cgi/Virtual/Lessons/Science/Astronomy/AST0001.html