

# BIG BANG THEORY *TIC-TAC-TOE*

**Learning goal:** You will be able to cite and explain how microwave background radiation, redshift of galaxies, and the elemental composition of the universe all contributed to the development and verification of the Big Bang Theory explanation of our universe (SC.912.E.5.1).

**Task:** Working in groups of three, choose 3 activities (to make 3 in a row) to display your understanding of the three pieces of evidence of the Big Bang Theory. Please highlight the boxes you choose to accomplish. Paste the *published* links/files to your projects below:

- 1.
- 2.
- 3.

<p><b>Kinesthetic</b></p> <p>Create a model that demonstrates the origins of the universe.</p>	<p><b>Musical</b></p> <p>Write a song/rap about the 3 pieces of evidence for the big bang theory. Song must have at least 3 versus and 1 chorus.</p> <p><i>I'm known to give extra credit for performances/videos :)</i></p>	<p><b>Mathematical</b></p> <p>Complete the <a href="#">math problems</a> on frequency, wavelength and speed and discuss the mathematical evidence that supports the Big Bang Theory.</p>
<p><b>Movie makers</b></p> <p>Write a skit about the creation of our universe (think: timeline formation of galaxies, stars, planets). Create a <a href="#">Powtoon</a> or <a href="#">Stupeflix</a> video that explains the 3 pieces of evidence for the Big Bang Theory.</p>	<p><b>Verbal</b></p> <p>Make a podcast (mp3) "radio hour" in which you interview the scientists who came up with the big bang theory. Q &amp; A about how they used the 3 pieces of evidence to create the big bang theory.</p>	<p><b>Visual</b></p> <p>Create an infographic using <a href="#">Piktochart: Create Easy Infographics, Reports, Presentations</a> to explain the 3 pieces of evidence for the Big Bang Theory.</p>
<p><b>Artistic</b></p> <p>Create an informational poster that represents the origins of the universe. Posters must include color and be neatly completed.</p>	<p><b>Writing</b></p> <p>Write a <a href="#">letter</a> to the scientists who came up with the big bang theory. Ask them questions about how they created the big bang theory. Then write back as the actual scientists!</p>	<p><b>History</b></p> <p>Create a <a href="#">Timeline</a> about the big bang theory (include dates, scientist names, and technologies created, and discoveries made)</p>