

BIG BANG PROJECT

Create a project that demonstrates evidence for the big bang.

- Your project must contain both written information and diagrams/pictures.
- Your project may take the form of a PowerPoint presentation, an informational brochure, a comic strip, a poster, or any other media form you choose that can display the following elements:

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- 1 point: A title: the title for your project should be a scientific question. Hint: the answer to this question is “The Big Bang” and the explanation it provides.
- 2 points: A model of an expanding universe that is used to show why the universe has no center.
- 2 point: An argument for how an expanding universe gives us evidence for what happened in the past.
- 2 points: How data from absorption spectra are used to demonstrate an expanding universe. This should include diagrams to demonstrate how absorption spectra are interpreted.
- 1 point: An overview of Hubble’s Law
- 2 points: An explanation of the phenomenon of cosmic background radiation. What is it, and why does it happen?
- 5 points: The basic argument of the Big Bang theory, explaining how cosmic background radiation and the red shift of galaxies are evidence for the origins of the universe.