

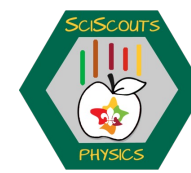
Katie  - Exploring space using art





Scouts Physics STE(A)M Challenge

Plan>Do>Review>



Name/Project Patrol/Unit

Katie

Project Title

Exploring the Boundaries of Space using Art

Plan>

What do you already know about your project topic?

I already knew that the light that you can see in the sky is over 8 billion years old and that means that I am looking back in time when I look at the milky way.

The big bang was the beginning of the universe.

What do you think you are going to learn?

I am going to learn how long ago the big bang happened and impressions of what it might of looked like.

Also I would like to find out did the big bang happen everywhere at once and how many galaxies are there.

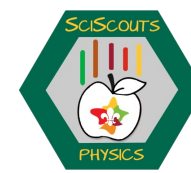
Who will help you with your project, or what resources will you use to help understand and achieve your project?

Im going to get my information from the internet.

Im going to talk to an actual artist about the best way to paint a galaxy and research an artists impression of the big bang.

Scouts Physics STE(A)M Challenge

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Name/Project Patrol/Unit Katie	Project Title Exploring the Boundaries of Space using Art
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What are your goals, or aims, for this project? How will you achieve your goals?

To visually represent the big bang and the milky way using acrylic paints on canvas and paper.

Also I will learn about what happened before the big bang and how the big bang may have happened.

What steps will you need to take to complete your project?

Im going to research online about how to paint a space scene.
Im going to do some online research on the milky way and the big bang.

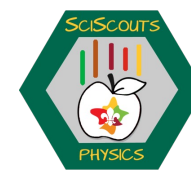
I used these references - www.space.com and www.science.nasa.gov

Do>

Complete your project! Make sure you read and follow all instructions and guidelines. When finished, document your project for submission online.

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Review>

How does your project fit into the waves theme?

The project fits into the theme of waves because the light waves from the stars travel to the earth at the speed of light. The paintings are a representation of the light that can be seen from the earth. The big bang represents light waves at the beginning of time.

What did you learn about waves while completing your project? Did you learn the same things you thought you would?

I learned that the waves in the microwave are the same frequency as the waves of light in the big bang.
That light can be split into different colours.

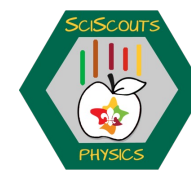
I didn't learn the things that I thought I was going to learn but I enjoyed doing it anyway.

What challenges did you face while completing your project?

When painting it I found it hard to make the big bang look 3D but it kind of ended up look 3D.

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What would you do differently next time?

I would pick some metallic paints to make it look more shiny and I would not do any shooting stars (because there was none in the big bang). I would add more details of the point of explosion, try to make it look more 3D, add more light and more explosive energy.

How could you extend your project?

I could write and research a report, I could do a whole series of paintings showing the big bang happening over time, I could show the milky way with clear details of constellations.

What is the take home message for other people seeing your project?

Space is cool and interesting and doesnt have to be communicated in a written format.