

The Expanded Universe: Playing with Time

Shopping and Preparation List

Adapt this NASA activity for your needs!

In-Person Library or Outreach Program

Materials (for every two participants):

- 1 balloon
- 2 sharpies
- 2 rulers
- Pack of 12 stickers
- Workspace (1 or 2 tables)

Preparation:

- Set up the materials on a flat table or multiple tables, depending on your available space.

Virtual Program

Material: In addition to the above materials, you will need:

- Computer and internet access
- Web camera
- Microphone
- One more more of the following videos:
 - [Cool Cosmos: The Center of the Universe Video](#)
 - [Science Short video: The First Light After the Big Bang Video](#)
 - [NASA Science Live: A Telescope Like a Time Machine Video](#)

Preparation:

1-2 months before program:

- Set up a registration link for the program using an online platform such as Zoom, GoTo Meetings, or Facebook Live.
- Promote program on social media, library website, event calendar, etc.
- Watch the NASA@ My Library STEAM Strategies: Virtual Programs video.
- Order materials. You will need one balloon, a sharpie, ruler, and pack of stickers.

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Virtual Program (*continued*)

Day of program

- Set up and test your computer, camera, and microphone.
- Log in to your online platform account and open the meeting at least 15 minutes before start of program.
- Start the program by showing one or more of the suggested videos.
- Demonstrate the activity.