

Life Cycle of a Massive Star

Shopping and Preparation List

Adapt this NASA activity for your needs!

In-Person Library or Outreach Program

Materials (*per patron*):

- Pony beads: green, blue, white, yellow, orange, red, black, green
- 6 to 8 inches of cord or yarn
- [Webb Life Cycle bookmark Printout](#)

Materials (*for group*):

- Tape
- Scissors
- Hole punch
- Workspace with at least one table.

Preparation:

- Print out enough copies of the [Webb Life Cycle bookmark Printout](#) for each patron to have at least one.
- Fold the bookmarks so that the front aligns with the back, then laminate and cut them out.
- Cut 6-8 inches of cord or yarn (*same number of bookmarks that you printed*).
- Punch a hole at the bottom of each bookmark and tie the cord or yarn to the hole.
- (*Optional*): place tape around the end of the cord or yarn so patrons can easily thread pony beads onto it.
- Set all of the materials onto the workspace table.

Take & Make Kits

Materials (*per kit*):

- Pony beads: green, blue, white, yellow, orange, red, black, green
- 6 to 8 inches of cord or yarn
- [Webb Life Cycle bookmark Printout](#)
- [Activity Guide Printout](#)
- Ziplock bag
- Large envelope or paper bag

(Continued on page 2)

Take & Make Kits (*continued*)

Preparation:

- Print ~60 copies of the [Activity Guide Printout](#)
- Print ~60 copies of the [Webb Life Cycle bookmark Printout](#)
- Fold the bookmarks so that the front aligns with the back, then laminate and cut them out.
- Cut 6-8 inches of cord or yarn (*same number of bookmarks that you printed*).
- Punch a hole at the bottom of each bookmark and tie the cord or yarn to the hole.
- (*Optional*): place tape around the end of the cord or yarn so patrons can easily thread pony beads onto it.
- Place one of each color pony bead into a ziplock bag and seal it.
- Place the activity guide, bookmark with cord or yarn, and bag of pony beads into the large envelope or paper bag to distribute to patrons.