For the website:

**Program Planning Worksheet**

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| **Title of Program** | Binary Code Christmas Ornaments |
| **Date(s) of Program** | Tuesday, December 6; Thursday, December 15; and Thursday, December 20, 2022, from 6 – 7 pm each night. |
| **Location(s) of Program** | Powell Library Meeting Room |
| **Lead Staff Person, job title** | Becky Ault, Branch Assistant II |
| **What is the purpose of this program?** How is it relevant to the Library’s mission, promote collections, support the community, promote lifelong learning? | The purpose is to introduce K-8 children to the binary alphabet used with computers. It is relevant to the Library’s mission because it is educational and also recreational as the participants will be creating art as well as learning. Collections will be promoted by reading and/or displaying books related to the topic and encouraging the children to read more on their own. In addition, a list of possible books to consider checking out on the topic will be included in the take-home handout. The community is supported because all are welcome to attend. Lifelong learning is promoted by generating interest in a topic and encouraging participants to explore further on their own. Parents in attendance have also expressed additional interest in STEAM topics, so lifelong learning is being promoted in these patrons, too. |
| **Program content and implementation.** What are you going to do and how are you going to do it? Who is the presenter, including staff, and what are the person’s credentials.  | We will discuss the binary alphabet that is used with computers. Pictures, diagrams, videos, and handouts will also graphically display the information. To further enhance understanding and for fun, each participant will then create a Christmas ornament using the binary alphabet. |
| **Supplies needed.** Estimate cost if any. Where will funds come from? | Pipe cleaners with red plastic beads, green plastic bead, and white plastic beads. Any supplies needed will be ordered from downtown.  |
| **Equipment needed.**  If you don’t have needed equipment at your location, where is it coming from? Has it been reserved? How is it being delivered?  | Becky will provide a laptop and projector for any pictures and/or videos to display on the screen. |
| **Title of book(s) being discussed** | Various books related to the binary alphabet and computer coding from the Powell Library juvenile collection will be highlighted. Participants will be encouraged to explore the topic further on their own. |