

July 2024 eLearning Challenge: Celebrate with a Boom!

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The Village of Preskitt is celebrating its 175th anniversary by hosting a Fourth of July festival including a parade, vendors, food, and music at the community park. On the evening of July 4th, the festival will be topped off with an elaborate fireworks display to honor the village's major milestone.

The village board hopes to draw a crowd to the park for the 175th celebration throughout the day and into the evening for the fireworks. Many local businesses and volunteer organizations will be present, so the Chamber of Commerce is counting on the fireworks display to boost festival attendance and bring the community together.

Prior to the 175th celebration, a team of 5-7 volunteers had managed smaller fireworks displays. This core group is returning for the event, but an additional 8-10 people will assist with lighting the display. Several of the new volunteers do not have experience with display-grade fireworks.

The Challenge

You are a training specialist for the Village of Preskitt who supports community programs by onboarding and training volunteers. Because of the size and complexity of the fireworks display, all volunteers—new and returning—will need to complete an eLearning course prior to on-site instruction by the Preskitt Fire Department. Volunteers will set up firing stations, operate within the firing line, mix and match fireworks for the display, and handle any safety issues that arise.

While fireworks provide the perfect end to the celebration, they put volunteers and spectators in danger when not fired and supervised properly. Serious injuries may occur, such as burns, eye damage, hearing loss, respiratory harm, and possibly death. Avoiding injury to volunteers and community members is the number one priority for the Village of Preskitt to eliminate liability concerns.

After completing your course, learners should be able to complete one or more of the following objectives:

- Determine an unobstructed firing line and fallout zone for the fireworks display within the community park.
- Identify the proper personal protective equipment (PPE) needed to protect sight and hearing.
- Put out a small fire from a malfunctioning firework using a fire extinguisher and/or water.
- Evaluate whether a firework is considered a "dud" and handle the "dud" safely.
- Establish a protocol for disposing of spent and unused fireworks after the event.
- Create a combination of firework effects to dazzle the audience.

Requirements & Constraints

As you design and develop your course, keep the following requirements and constraints in mind:

Interactivity & Content Presentation: Ideally, your solution will include decision-based interactions or scenarios to reinforce the skills being taught. Here are some ideas for how you might present your content and make it interactive:

- Build an interactive park map (using hotspots or pulsing markers) to indicate the proper positioning of the firework display's firing direction and fallout zone.
- Create firing angles using a dial to simulate the proper firing line.
- Construct a tabs interaction with the proper technique for using a fire extinguisher (PASS method).
- Use a drag-and-drop interaction to help a character don the proper PPE to protect their ears, eyes, and skin from injury.
- Provide an overview of the major types of display fireworks with a tabs interaction or click-to-reveal. Follow up with a knowledge check or drag-and-drop.

- Integrate characters as volunteers presented with a “dud” firework and provide them with choices on how to handle the “dud.”
- Author a branching scenario requiring the learner to handle a safety incident (such as a misfire, small grass fire, etc.).

Authoring Tools: You are free to use any eLearning authoring tool you’d like; however, Articulate Storyline or Rise are recommended. If you’re new to Articulate Storyline, [check out this playlist of videos](#) to help you get started.

Visual Design: You are free to design the course in any way you’d like; however, it should demonstrate good visual design best practices with a cohesive and consistent use of font, colors, images, and graphics. If you’re new to visual design, [check out this playlist of videos](#) to help you get started.

Style Guide

To help in the design of your eLearning course, you can view and download the Village of Preskitt style guide and brand assets below. You are free to use these to design a branded course template, or you can create your own design.

Reference Materials

As you design and develop your course, you can create your own content from scratch or source your content from the following references:

- [Leave Fireworks to the Experts](#)
- [Fireworks Safety Tips](#)
- [Fireworks: Injuries & Deaths](#)
- [How to Plan & Launch a Fireworks Show](#)
- [How to Put on a Professional Fireworks Display](#)

Submission Guidelines & Contest Rules

Once you're done building your course, you can submit it by commenting below and sharing a link to your finished project. If you’re using Articulate Storyline or Rise, you can publish and [share a link from Articulate Review](#) or [on the web using Google Cloud](#). Along with a link to your published course, share a few words explaining your design decisions, challenges, inspiration, etc.

To be eligible to win the \$100 Amazon gift card, your submission must be posted no later than Friday, July 26th, at 11:59 PM ET.

You can learn more about the [contest rules and criteria here](#).

If you'd like to get more eyes on your submission and encourage others to participate in the challenges, you might also consider...


- **Writing a Blog Post:** If you happen to have a blog or online portfolio, write a post about your submission and share it on social media. Make sure to link to it in the comments below for others to see!
- **Record a Video:** If you want to share how you went about designing your submission, record and share a screen recording video (via Loom, Camtasia, Snagit, or YouTube) to showcase and explain your process. And, of course, don't forget to share a link to it in the comments below!
- **Share on Social Media:** If you're active on LinkedIn, Twitter, or another social media platform, create a post to share your submission. If possible, make sure to link back to this page and tag The eLearning Designer's Academy on [LinkedIn](#) or [Twitter](#) in your post.

Give & Get Feedback

After you've shared your submission, make sure to review what others have submitted and provide constructive feedback. Remember, the monthly challenges (and this community as a whole) are meant to provide an inclusive and supportive environment. As you provide feedback, make sure to keep our [Code of Conduct](#) in mind.

As you work to develop your project, also consider sharing your work-in-progress for community feedback in our [Get Feedback space here](#).

Challenge Recap, Submissions & Winner

Congrats to this month's eLearning challenge winner, **Brenton Daviau**, for his winning submission for this month's challenge: [Firework General Awareness & Safety Training!](#) 

Check out all of the submissions for this month's eLearning challenge below:

- [Fireworks Display Training](#) by **Ruby Sorto**
- [Fireworks Safety: Protecting the Preskitt Community](#) by **Bonita Hayes**

- **Firework Volunteer Safety Training** by Chloe Okura
- **Celebrate with a Boom** by Jess Ellison
- **Fireworks Volunteer eLearning** by Rachel Hedgepeth
- **Firework Safety Training** by Katie Slattery
- **Safe Celebrations** by Fran Lanier
- **Safe Fireworks Handling** by Simamkele Pikelela
- **Volunteer Orientation** by Amanda (Graves) Crisostomo
- **Fireworks Safety Training** by Bagus Rizki Fadillah
- **Celebrate with a Boom** by Katie Porter
- **Pyrotechnic Proficiency Training** by Anna Parker
- **Preskitt Fireworks Training** by Collin Ludlow-Mattson
- **Firework Safety Training Course** by Hillary Lauder
- **Firework Safety** by Sara Adams