

**Name of Program:** Choose Your Own Adventure: Fire Response!

**Guide Created by:** Ethan Castro

**Target Audience:** All students (Soph., Jr., Sr.)

**Strategy for Implementation:** Large group discussion with presentation and polls to vote on various decisions.

**Time of Year to Implement:** Ideally earlier in the year as it requires less personal introspection and could potentially help prevent crisis situations later in the school year.

**Relevant Learning Goal:** Goal 2: Life Skills

**Specific Lesson Outcomes:**

- Students will demonstrate competence in skills essential to thrive in a professional setting
- Students will demonstrate competence in personal life skills required to live independently
- Student will identify & utilize various campus academic resources

**Purpose:** Present students with scenarios of various common fire emergencies and test their knowledge on the proper ways to respond to such emergencies, citing professionally published guidelines as resources.

**Planning and Preparation:**

- This program is mostly based on usage of an interactive [Google Slides presentation \(click here\)](#) to present students with the various emergencies and let them vote on how to respond. Administration of this presentation can be done either virtually or in-person.
  - Voting can be handled in a myriad of different ways, such as using Zoom's built-in polls or reactions, by show of hands, or just by volunteers who answer on behalf of the group.
- **RSL incorporation:** This program could also easily be handed off to an RSL or other student leader to lead and administer it in your place.

**Program Agenda:**

- As said above, this program is based around the usage of [this interactive Google Slides presentation](#) to quiz students on how to respond to various types of fires. What follows is an outline of this presentation. This program uses hyperlinked boxes on the slides to link to a corresponding answer and explanation. You should be clicking on the boxes to proceed through the quiz part of the presentation.

- **Slides 1-3 Introduction about emergencies**
  - These slides begin the program by asking students to list off common household emergencies that they may have to respond to at some point in their lives.
- **Slides 4-6: Transition to fire response**
  - Transition the discussion to specifically asking about how to respond to fire emergencies.
  - **RCs should also use this opportunity to quiz or remind students about IMSA Res Hall-specific fire alarm policies (where to exit the buildings, to line up by wing, where to meet, etc - all of which varies by hall and must be articulated by the RCs of said hall).**
  - A video from the American Red Cross covering basic fire safety preparedness tips is included in Slide 5.
  - Slide 6 lays an important foundation for the rest of the presentation: **students should not see it as their primary job or responsibility to put out a fire.** Generally, they should focus on getting themselves away from the fire and calling emergency services to let them deal with it. However, this program will still introduce them to various ways to respond to fires in the event that they can safely use this knowledge to put one out.
- **Slides 7-8: Example question**
  - Use these slides to introduce how students will answer the questions, using whatever method you choose (volunteers answer, Zoom polls, show of hands, etc.)
- **Slides 9-14: Class A Fires**
  - Ask students how to extinguish a Class A fire (solid combustibles) - Let it burn out in a controlled environment, use water, or use an ABC fire extinguisher
- **Slides 15-20: Class B Fires**
  - Ask students how to extinguish a Class B fire (liquid or gaseous combustibles) - Use a BC or an ABC fire extinguisher and DO NOT use water (Pouring water on a liquid or gas fire can be extremely dangerous because these fires burn hotter than the boiling point of water, meaning that water poured on them will become steam and rapidly expand and splatter, possibly spreading burns and flames further).
- **Slides 21-26: Class C Fires**
  - Ask students how to extinguish a Class C fire (electrical fire) - Smother with a fire blanket or use a properly-labeled fire extinguisher. With electrical fires, there is the additional complication that conductive materials (especially water) MUST be avoided when putting them out, to avoid electricity passing through them and into the user.

- **Slides 27-32: Class D Fires**
  - Ask students how to extinguish a Class D fire (metal fire) - Smother with a fire blanket or use a properly-labeled fire extinguisher. Metal fires have unique properties that must be properly responded to. Using water or standard ABC (dry chemical) extinguishers on them will possibly just worsen the flame, so typically a dry powder mixture is regarded as the best course of action.
- **Slide 33: Recap and Conclusion**
  - Recap the different classifications of fire and what causes them and the ways to respond to them.
- **Slides 34-35: Class K Fires**
  - End with a few notes on Class K Fires (cooking oils and greases). Once again, water should be avoided. Oftentimes, commercial and industrial kitchens have specially-marked Class K fire extinguishers for these kinds of fires.
  - A BBC video on why water should be avoided for Class K fires is provided on slide 35.

#### **Assessment Questions:**

- Regardless of what type it is, what should you do/where should you go/who should you call if you encounter an uncontrolled fire?
- If you encounter a fire that has resulted from solid combustibles, what should be done to extinguish it?
- What is the danger of using water on an electrical fire (Class C)?
- What is one way to extinguish a metal fire (Class D)?

#### **Resources and Additional Information:**

- American Red Cross, "What to Do if a Fire Starts,"  
<https://www.redcross.org/get-help/how-to-prepare-for-emergencies/types-of-emergencies/fire/if-a-fire-starts.html#:~:text=If%20you%20must%20escape%20throug h.or%209%2D1%2D1>
- Engel, Rachel, "How to put out an electrical fire in five steps,"  
<https://www.firerescue1.com/community-risk-reduction/articles/how-to-put-out-an-electrical-fire-in-five-steps-XB6EB1XTsNyKWkAN/>

- Kidde Fire Safety, “Types of Fires,”  
[https://www.kidde.com/home-safety/en/us/support/help-center/browse-articles/articles/types\\_of\\_fires.html](https://www.kidde.com/home-safety/en/us/support/help-center/browse-articles/articles/types_of_fires.html)
- Surrey Fire & Safety, Ltd, “CO2 fire extinguishers – all you need to know,”  
<https://surreyfire.co.uk/co2-fire-extinguishers/>
- University of Texas at Austin Fire Prevention Services, “ABCs of Fire Extinguishers,” <https://fireprevention.utexas.edu/firesafety/abcs-fire-extinguishers>
- Vandenberg, Steve, ServiceMaster of San Francisco/San Mateo, “Types of Fires and How to Extinguish Them,”  
<https://www.servicemastersanfrancisco.com/types-of-fires-how-to-extinguish/#>