



Children of all ages will discover how hot and cold science can be as they take a journey through the world of Fire & Ice!

SUMMARY:

Join us for SAFE and scientific fun with fire and ice! Learn about the amazing properties of fire and combustion when we produce a flaming fireball! Then, cool off with spectacular demonstrations involving dry ice as we explore the science behind this amazing frozen gas. Children will be dazzled and entertained with foggy dry ice storms, piezo poppers and even a special Mad Science “burp” potion will amaze children as they learn about chemical reactions, air pressure and the states of matter. Get ready for some sizzlin’ excitement!

EDUCATIONAL VALUE:

This class introduces children to the physics facts on heat and states of matter. Children will be exposed to many ideas, including that fire needs three elements to burn: Heat, fuel, and oxygen. They will see paper that burns with no ashes as they learn about flammability and combustion. Children will understand that matter takes up space, and a vacuum may be created by using fire to burn up oxygen.

TAKE-HOME MESSAGE:

- 1 Fire needs heat, fuel and oxygen.
- 2 Dry ice goes from a solid to a gas, skipping the liquid phase.
- 3 Some fuels are more combustible than others.

