
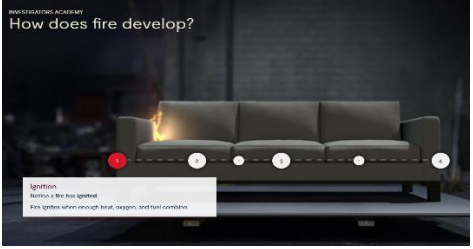




## Fire Safety

7th and 8th grade science explored fire safety in homes through use of better materials and planning fire escape routes.

ENGAGE	EXPLORE	ENGAGE & EXPLORE	EXPLAIN
			
20 minutes	4 class period	1 class period	1 class period
<p>Students engage with the intro to Fire Forensics and connect by offering their knowledge of local fires and the investigations. They engage in dialogue about: investigation and possible mechanics of fire</p>	<p>Students investigate mechanics of fire, specifically: the flammability of different substances and how to connect chemical composition with burn pattern. They also explored fire triangle and analyzed how it might impact investigation into the origin of a fire. Students designed small model houses and selected materials to go inside.</p>	<p>The Fire Marshall joined us in class and facilitated a small controlled burn. Students analyzed aspects of the burn that correlate with forensic analysis. Students also saw the effects of their model home design choices in a fire.</p>	<p>Students presented their conclusions about fire safety to an audience of peers. They discussed how their conclusions can be used to enhance home safety and made specific recommendations to be followed.</p>
<p><a href="#">The Science of Fire Forensics: There's Been a Fire!</a></p>	<p><a href="#">The Science of Fire Forensics: What is Fire?</a></p>		<p><a href="#">The Science of Fire Safety : Tips and Solutions from the Experts</a></p>