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| Fire Facts  * Fuel can be anything in any state – solid, liquid, gas (most solids and liquids phase to gas before they burn). * Fire requires fuel + heat + oxygen to start/burn * A housefire can double every minute * It only takes removing one of the sources of a fire (heat, oxygen, fuel) to stop a fire * Spontaneous combustion is a real thing, of which when the source produces its own heat * Cotton will catch on fire if superglue is applied to it * A forest fire can spread up to 25 kph or a little over 15 mph * Wildfires burn 5-10 million acres of land per year in the U.S. |  | “Only you but maybe also your family and friends and a bottle of maple syrup can prevent fires in a forest except for when you’re camping” |  |  |
|  |  | For more information on fire safety and prevention, visit www.nickepcot.com/firesafety  A black text on a white background  Description automatically generated |  | Fire with solid fill |

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| Arson: What and Why **Signs of Arson**   * Gas, kerosene, or other accelerants * Locked windows, blocked doors * Two or more points of origin * Charred Floors   **Common Motives**   * To conceal another crime committed * To get revenge * For monetary gain (various ways) * Malicious Vandalism * Mentally Disturbed   **Behavioral Characteristics of Arsonists**   * 90% of arsonists have recorded mental health histories * Typically antisocial with a patholoigical sense of confidence, impulsiveness, and a lack of guilt or anxiety * Most arsonists have an IQ of 85 or below * 54% of arsonists have diagnosable mental illnesses * A mix of psychopathic & sociopathic behavior, along with a fascination with fire |  | Fire safety tips   1. Install smoke alarms 2. Plan your escape from fire 3. Stop, drop, & roll 4. Pay attention to your surroundings 5. Be ready to evacuate quickly 6. Keep track of the weather, fires near you, and listen to instructions from local authorities 7. Put out fires when not used or being looked after 8. Avoid downed power lines 9. If surrounded by fire, cover your body with mud or a wet blanket or take refuge in water until the fire passes |  | Arson Statistics   * Annually, 267,000 fires are linked to arsons * Children are typically 85 of every 100 lives lost to fires * 300 people a year are killed by fires set by children, of which cost $190 million in property damages * 55% of all arson arrests in the U.S. are children under 18 * Nationwide, there are 10.9 arson offenses for every 100,000 inhabitants * In 2022, there were 30,166 documented incidents of arson, 70% of which were caused by known offenders |