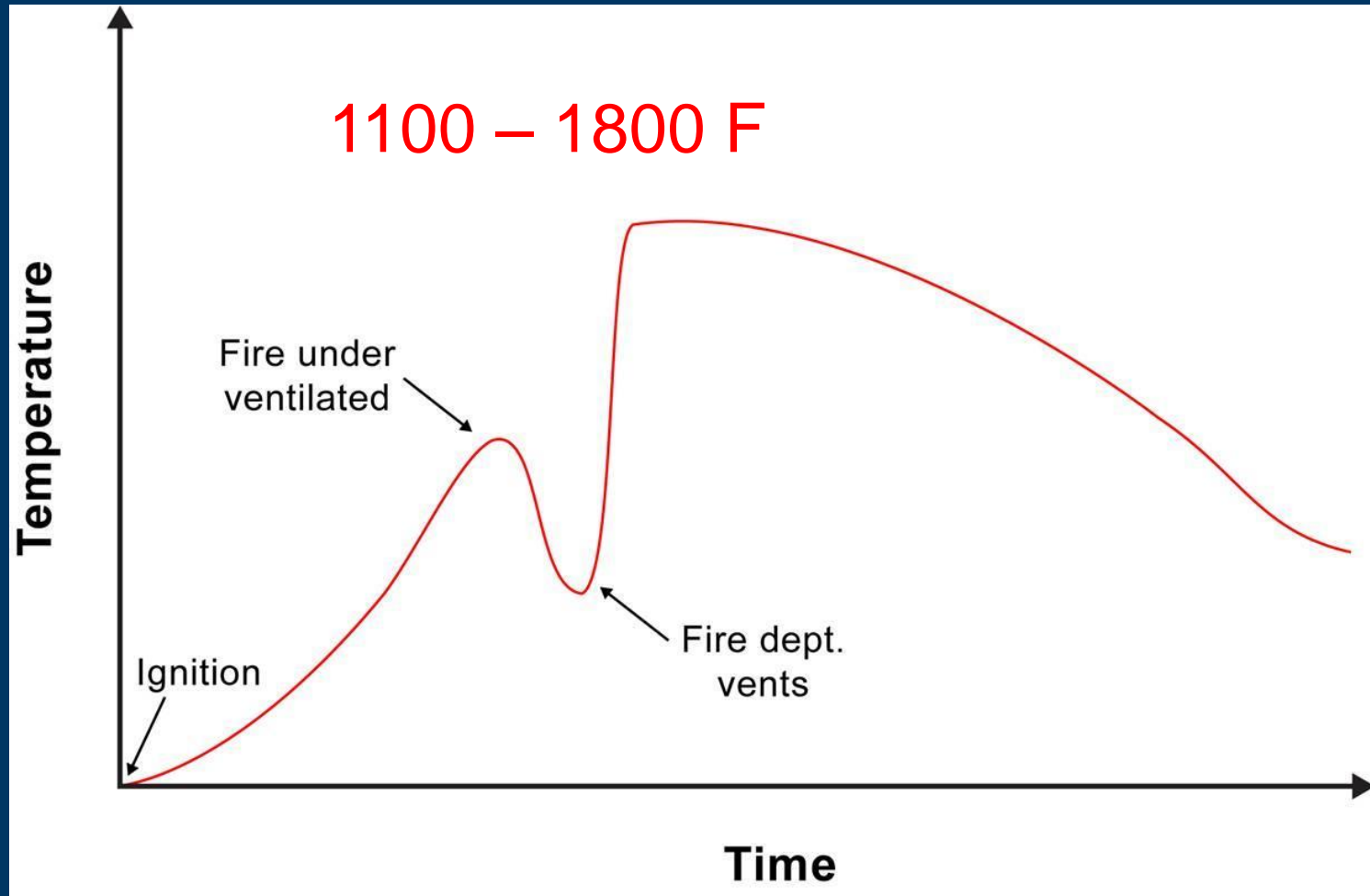


How Hot is a House Fire?



How Hot are Flames?

Table 5.6.5.1 Maximum Time-Averaged Flame Temperatures Measured on the Centerline of Fires Involving a Range of Fuels.

Source	Temperature	
	°C	°F
Flames		
Benzene ^a	920	1690
Gasoline ^a	1026	1879
JP-4 ^b	927	1700
Kerosene ^a	990	1814
Methanol ^a	1200	2190
Wood ^c	1027	1880

Source: NFPA 921 Guide for Fire and Explosion Investigations

<https://www.nfpa.org/>



Temperature Affects

Human Body
98.6

1st Degree Burn
118

Wax Melts
120

2nd Degree Burn
131

Glass Cracks
130

Plastics Softens
200

Water Boils
212

Gases in a fire
before flashover
750

Steel Deforms
1000

House Fire
Flashover
1800

Glass Melts
2600

Steel Melts
2700

