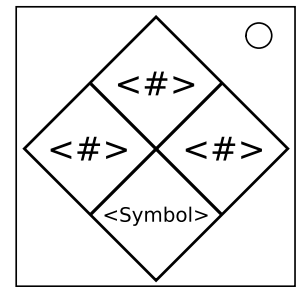


On the Subject of Fire Diamonds

Also known as a *Safety Square* or if you're British, a "*Figmenty Pigmenty Crosser Toss*."

SEE APPENDIX 704 FOR MORE INFORMATION ON FIRE DIAMONDS



























- On this module you will see four buttons: 1 red, 1 blue, 1 yellow, and 1 white. The 3 colored buttons will have a number from 0-4 on them while the white button will either be blank or have a symbol on it.
- This module has three stages. The answers to each stage do not affect the answers to other stages.
- Use the number/symbols on the buttons in Table 2 to get a sequence of five colors.
- Use Table 1 below to modify the sequence for each of the colors. According to the colors in the sequence and edgework, change each color From Table 2 to the one you get as the result in Table 1.
- Entering the incorrect sequence of colors will give a strike. However, the module will not strike until a full sequence of five entries are made.

Table 1:

		Red			Blue			Yellow			White		
		Battery Count			Digits in Serial			Instances of characters in NFPA 704 in serial			Total # of consonants in indicators		
		<2	=2	>2	2	3	4	0	1-2	3+	≤3	4-6	7+
Stage #	1	B	R	Y	W	Y	R	B	R	Y	W	Y	R
	2	W	Y	R	Y	R	B	Y	R	R	B	Y	W
	3	R	B	R	W	B	Y	R	B	B	R	Y	R

Table 2:

Substance	Corresponding Fire Diamond	Color Sequence	Substance	Corresponding Fire Diamond	Color Sequence
Table Salt		RYWWW	Antifreeze		BBYBB
Glucose		RBYBR	Nitroglycerin		YYYYY
Hydrogen Cyanide		BYRYR	Hydrogen Peroxide		RRBWB
Gasoline		YYRRB	Sodium		YYYYR
Drain Cleaner		WBWBW	Ethanol		RRWRB
Helium Gas		BBYWY	Fluorine Gas		BRWYB
Potassium Nitrate		BYWBW	Sulfur		YYYYW

Substance	Corresponding Fire Diamond	Color Sequence	Substance	Corresponding Fire Diamond	Color Sequence
Methane		RBWYR	Acetic Acid		YBBWB
Butane		RBYYW	Iodine		WRYYY
Propane		RRYYY	Sulfuric Acid		YBRWB
Baking Soda		WWRWR	Ammonia		WBBBW
Sodium Hypochlorite (Bleach)		WBWRY	Hydrofluoric Acid		RWWWW

Appendix 704: Fire Diamond Meanings & Symbols

No Ws allowed!

Flammability:

States how easily a substance will ignite

Instability:

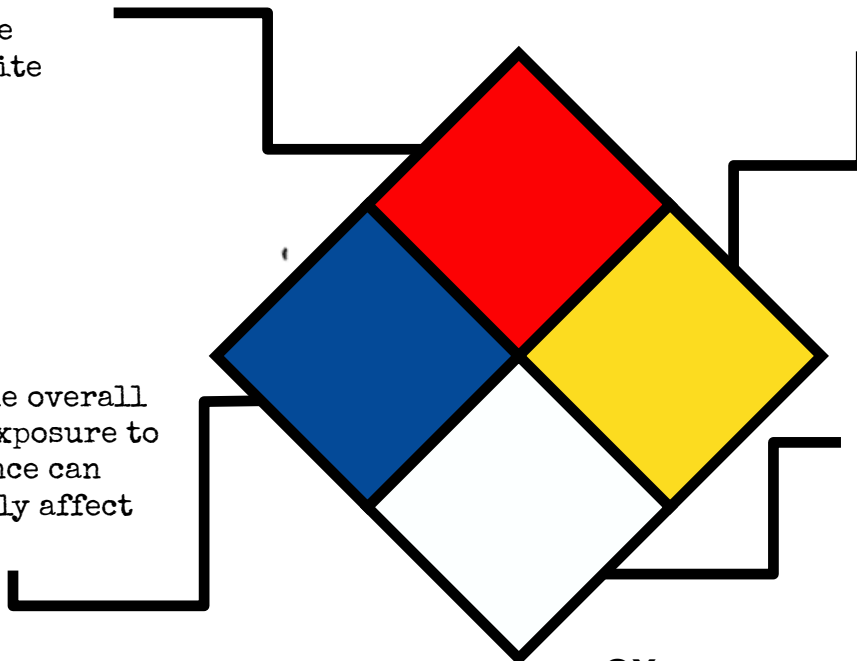
States a substance's capability and willingness to explode

Health:

States the overall damage exposure to a substance can negatively affect health*

Special Hazards:

Shows possible dangers outside of the 3 above categories such as...



OX: Oxidizer
(produces oxygen when exposed to heat)

W: Do not let come into contact with water

SA: Simple Asphyxiant (displaces oxygen in air)

*Excludes ingestion of said substance