

Y

Yaw

The deviation of the axis of the projectile from its theoretical trajectory during flight. In some cases yaw develops because of the loose fit of the projectile in the bore of the gun's barrel and the slight disturbances due to the rush of the propellant charge's gases around the projectile it as it leaves the barrel.

In flight the projectile, gyroscopically stabilized, tends to maintain its flight attitude while the trajectory it is following adopts a curve, with the result that the nose of the projectile deviates from the axis of the trajectory. This allows air to strike the nose of the projectile which gives it a deflecting effect that has a tendency to push the projectile even further from its trajectory (see: *Projectile, Trajectory and Windage*).

Young Officer

A term that was used for a graduating cadet (from a military college) whilst attending a 'Regimental Officer Basic Course', at the School of Artillery, before being posted to an Artillery regiment or battery (see: *Regimental Officers' Basic Course*).

Young Officers' Course

(see: *Regimental Officer Basic Course*)