

Flight Fundamental #1 Face aim at impact

Before launch monitors, we believed swingpath set the ball's starting direction, while the clubface's aim controlled spin. We now know that, irrespective of the swing path, face aim largely dictates the ball's

starting line – according to TrackMan, around 85% with driver and 75% with a mid-iron. The ability to control the face, then, is critical, and that's mostly done through grip. Work on this four-step plan.



1 Lean the handle to square the face

I've attached a gadget to the clubface to amplify its aim. Thihsi s image shows how, to square the face, the handle of the club must leans a little towards the target. Establish this shaft lean first.



3 Place the lower hand against the thumb

The top thumb position sets a platform for the lower hand positioning. Bring the lower hand to the club, palm facing target. Place its fleshy palm against the side of the thumb, and close the fingers around.



2 Set the gloved thumb position

Let your left or lead arm hang from the shoulder. With that forward shaft lean, your hand naturally finds a position which puts the thumb a little behind the top of the shaft – to the right for right-hander.



4 Impact: Hands lead clubhead to square the face

As we saw at address, a square face means the handle is in front of the blade. Follow this process and you'll create wrist angles and positions that will create effective shaft lean through impact.



Flight Fundamental #3 Impact swing path

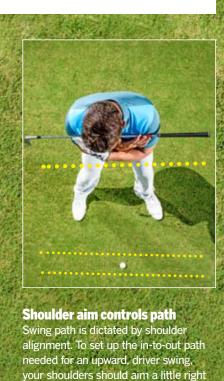
blow, as with short irons, your ideal swing path is actually slightly outto-in. Conversely, an upward attack, as for a driver, works best with a

Launch monitors show that when the ball is struck with a descending ; slightly in-to-out path. It's down to something known as D-plane. We don't need to get into the physics of that here - but knowing how to influence swing path will help you match the swing to the shot.



Feel a neutral path

Before you can begin to tailor swing shapes to the shot, boost your feel for a neutral path. Find an old sponge and a shaft/cane. Place the cane inside the ball, aiming down the target line, and the sponge on the far side, leaving enough room for the clubhead to swing between them. Now hit balls. If you find yourself clipping the cane, your path is in-to-out; catch the sponge and you are out-to-in.



of your target; but here, for a short iron

they should aim a touch left.



Flight Fundamental #4 **Angle of attack**

Your attack angle affects path and power, but mostly spin. A steeper attack tends to add spin, helping the ball hold its line and making it rise and drop more steeply; an increase of 1000rpm makes the ball's descent 7% steeper - ideal for holding the green. But high spin also robs distance, meaning a lowerspinning, shallower attack is better for driver. Control attack angle and control your spin.



Impact Your chest bone controls the swing's low point. If it's forward of the ball at impact, you will deliver the downward attack that works for irons.



Set-up Use ball position to promote the attack you need. Here, for a descending iron strike, the ball's just forward of centre and my sternum is over the ball.



