## **Paul Hurrion**

The leading Brit in his field

Tour coach who adopts a scientific approach to the putting stroke

I first got interested in putting at university, using high-speed cinematography (no fancy cameras back then!) looking at impact with drivers and ball. I also looked at wedges and putters... it amazed me how little time the golf ball is in contact with the putter – 0.000125 seconds (filmed at 20,0000 frames per second). Believe it or not, this is much less

It becomes much easier to be mentally

tough if you can trust your own technique to start the ball on the line you have read. Tiger has confidence in his own ability. I like to work from structured practice; if you know you can repeat your own putting technique in a controlled laboratory condition, why can't you repeat it under pressure? It is when players can't repeat a stroke in a controlled lab condition, how do they then expect to repeat when the pressure is on?

My aim has always been to ensure golfers create a consistent and repeatable action that enables them to start the ball on the line they have read every time and under pressure. Correct alignment of the eyes and the putter face is vital in the process of developing and repeating the mechanics of a sound stroke.

The majority of the top amateurs and PGA pros I've worked with displayed fundamental flaws in their alignment that demand some sort of compensation during the stroke itself. It is this conflict in hand-eye co-ordination that I believe can start the "yips".

With the ball in contact with the putter face seconds), the face has to be square and in line for the human brain to react – nor the body during the putting action must lead to an imperfect strike. But the yips can be cured.

## **David Orr**

**PGA Tour putting coach** Helped Justin Rose and Hunter Mahan become multiple winners

I've been teaching golf for 23 years and about seven years ago I started doing some putting research for some putting manufacturers in order to understand different designs. I measured over 1,000 golfers in a SAM PuttLab and noticed every one was different – while on tour everyone was teaching a method. That's where I got interested; especially teaching golfers their own individual stroke, which takes into account their own tendencies as opposed to just one method.

## There are four skills to making a putt.

You've got to read the green; you've got to get the speed of the putt correct; you've got to aim in a certain direction; and you've got to hit your line.

I love coaching the short game because it is

where you can see guys recover and score. And it's always great to see someone who is struggling, or "searching", eventually find what they are looking for. I have people come to me who are just searching for something; left hand low, belly putter, shorter putter... so to help them find that peace is very rewarding.

Putting is a much more precise version of the whole game. If you are one degree open or one degree closed, you are burning edges

instead of holing putts. The ball is not in the air so it is not curving and you have to correctly read the slopes. It looks simple - you just have to judge line and speed – but actually there is more to it.

The higher the skill

level, the more

are just better at handling fear or anxiety better than others. And the biggest enemy on the green is fear. You can have a wonderful stroke, but if you are afraid to hit the putt, you are going to miss. Fear and anxiety about what happened in the past and what will happen in the future are the biggest obstacles to good putting. I've seen people who are less afraid to get in a bar room fight than they are to knock in a three-footer!

side is more important for him because he

beginner or a higher handicapper, it is about

teaching them how to read a green, how to

start the ball on line and how to develop feel.

physical putting stroke can go a long way to

curing mental weaknesses in putting. That just depends on the individual – some people

has the physical tools. Whereas with a

Sometimes a little refinement to the

Putting gurus

Line and speed go hand in hand. You need the right pace for the line you choose. So you need to find your line and judge the pace of the green. You've got to have one and the other. That's what makes putting so precise. If it was simple we'd all be taking 18 putts per

Never be a slave to your routine. You can get too wound up if you have too many things in your routine. The ultimate state of mind to be in as you try to hole a putt is a state of "flow". You want your routine to get you into that mental state. A lot of people follow their routine for the sake of it.

## I see a lot of golfers putting with putters

that are too long or too short, too upright or with the heel too much off the ground. Every golfer should have the correct length, loft and lie as a basic. If you want to get a bit more in-depth, you can get into the ideal weight, head design and hosel design for their stroke.

If a golfer has a neurological disfunction,

the vips cannot be cured. Other people have a fear of the putting green, which is a psychological issue. And then others have a motion issue. A lot of people think they have the yips, but what they really have is a lot of conflict and confusion about putting basics.

If the weather is poor, you

should adapt your stroke. If it is windy, you've got to concentrate on being stable. We might also keep the stroke a little more compact if it is really windy. Players who are more mechanical struggle to make those little adaptations.



impact the mental side has on whether you are holing putts. If you take Justin, he has a beautiful putting stroke so it is a case of him being in the correct frame of mind over a putt. The mental

