



Wilberforce Spring

Aim To determine the time interval (*ie*, the period) between consecutive instances when the motion of the Wilberforce spring is purely rotary

or purely up and down.

Materials Wilberforce spring

Clock, reading to 1 s

Method The Wilberforce spring is set into motion by a judge pulling down the

bob and then releasing it. This is done first for a period of 10 minutes, during which time the teams observe the motion and plan how they will carry out the timing. The Wilberforce spring is then set into

motion again for the teams to carry out their timing.

Conditions No other timing devices may be used.

Time limit 25 minutes

Ranking The ranking order will be determined by the difference between the

measured and the actual time interval.

Team		Period
Do not write below line		
	Difference	Rank