Dr. Gasser’s 2015-16 IB SL Student Research Questions

* To what extent does the circumference of a fishing bobber affect the velocity at which it travels through water?
* To what extent does changing the radius of a circle cut out of the middle of a parachute canopy affect the decent time of the parachute?
* To what extent does the mass of a toy car affect how far it will travel off the end of a ramp?
* How does the grit of sand paper affect the stopping distance of a toy car rolled on it?
* Exploring the relationship between the angle of a ramp and the distance traveled of a tennis ball
* How does the height of a tennis ball above the ground at the first bounce affect its Potential Energy loss in the bounce?
* How does the amount of sand on the ground effect the amount of potential energy lost when a tennis ball is dropped at a height?
* To what extent does the surface area of an object influence the mass of water evaporated off of the object in a specific time interval?
* How does light on black paper affect temperature over time?
* How does changing water levels alter the amount of ultra violet light which is transmitted through different depths?
* To what extent does the number of dimples present on a golf ball impact the distance the ball travels?
* To what extent does the size of a toy parachute affect its fall time?
* To what extent does increasing the number of holes in a ball affect the distance it will travel after rolling off a horizontal ramp?
* To what extent does the number of feathers on a badminton birde affect its time to fall?

Topic Questions can not be repeated. All lab ideas must be original