FAQ’s – January 12, 2021

**Question:** Is there an entry fee?

**ANSWER**: No Registration fee, unlimited student participants

**Question:** Can the teams use supplemental kits in addition to the base kit for the robots?  I saw the limitations on motors, and sensors.

**ANSWER:** Yes, just make sure to obey the limitations.

**Question:** My school only has the Home kits, which do not have the ultrasonic sensors in them. We do have the infrared sensors. The rules only state that ultrasonic sensors can be used. Can we use infrared sensors as well?

**ANSWER:** Yes, an IR sensor could be used in place of an ultrasonic sensor, just be sure to obey any listed limitations, e.g. if only 1 ultrasonic sensor is allowed then you can replace that with only 1 IR sensor.

**Question:** Technical question regarding the rules for the robotics competition, Under the rules, it states each competing robot must be constructed solely from parts found in a standard Lego robot kit: either NXT, or NXT 2.0, or EV3 (retail or educational) kits may be used. However, in several other places, it indicates that you may use up to 3 or 4 motors. I am a bit confused then, because this implies that we can use motors from multiple kits. We are using the EV3 kits which have 2 large motors and 1 small motor. Can we use motors from multiple kits, because it sounds like we can only use pieces from a single kit? Or can we use pieces from multiple kits?

**Answer:** No, you can use pieces from multiple kits. The only intent of stating that robots must be constructed from parts found in standard kits was to prohibit rubber bands and wood and crazy advanced custom Lego pieces not in the NXT kits. So yes, you can use parts from multiple kits, but please obey the overall part count limits when given (e.g. do not use more than stated motor count, etc.).

**Question:** What kits can my students use to construct a robot?

**ANSWER**: Each competing robot must be constructed solely from parts found in a standard Lego robot kit: either NXT, or NXT 2.0, or EV3 (retail or educational) kits may be used

**Question:** Will the timing begin when the center button is pushed?

**ANSWER**: It is expected that all robots will be programmed to begin competing at the press of the center orange (NXT) or center grey (EV3) button. Calibrations of sensors (e.g. black/white light/color sensor intensity calibrations) will be allowed (and is encouraged).

**Question:** Can the teams use supplemental kits in addition to the base kit for the robots? I saw the limitations on motors, and sensors.

**ANSWER:** Yes, just make sure to obey the limitations.

**Question:** Can the school who designs the competition challenge still compete in the event?

**ANSWER:** Yes, the school can.