



## **2018 Middle School Technical Design Problem**

### **New Phone Holder**

A recent survey of young adults found that watching videos is a favorite leisure time activity. A well-known cell phone accessory manufacturer has taken note of that survey and wants to produce a new line of smart phone holders for members of student organizations such as TSA. Your challenge is to create a new kind of cell phone holder specifically designed to facilitate the extended viewing of videos. The product should feature the TSA logo.

Prepare a portfolio that includes each step of the technical design process loop. You do not have to build a model of the smart phone holder but its design and use must be explained through text and hand-drawn sketches, as explained in Regulations on pages 282-283 of the Middle School Competitive Events Guide for 2018-2019.

The portfolio and LEAP Response must be received at the NJ TSA office (or postmarked) by 5 pm on March 6, 2018.