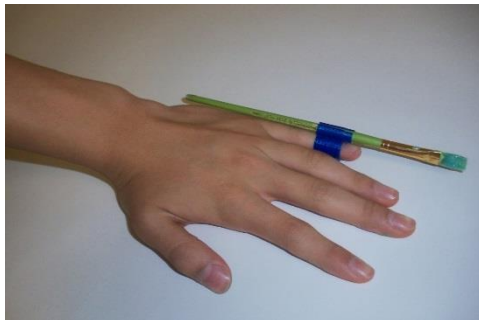# Assistive Device Project

Problem Statement

Design an assistive device to hold a paintbrush, crayon or colored pencil for a disabled student.

Project Criteria   (6.MS-ETS1-1)

The device must:
 • Be safe
 • Be durable
 • Be easy to put on and use
 • Weigh less than 4 ounces
 • Cost less than $5.00 to make
 • Attach to a child's hand or wrist
 • Hold a small painting utensil

7.MS-ETS1-2(MA)

Smartphone Stand Project

Problem Statement

Design a portable stand to support a smartphone.

Project Criteria   (6.MS-ETS1-1)

The stand must:
 • Fit different size phones
 • Hold a phone vertically or horizontally
 • Allow room for a phone in a case
 • Allow a charger to be used
 • Use no more than 33 grams of material (filament)

7.MS-ETS1-7(MA)