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

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)