

"THE APPLE TOWER"

PROJECT CHALLENGE OF THE MONTH!

SHOW
STUDENTS

What is the tallest tower
you can build that can hold
a real apple?

Start with trying to get your tower at
least 12 inches high or taller. Your
sculpture should be interesting to look at
on all sides and use strong
craftsmanship.

Our Process:

- Brainstorm
- Create
- Reflect
- Improve

START WITH SOME EXAMPLES OF TOWERS

TEACHER
INSTRUCTIONS



What do we notice about the size of the base compared to the top of the tower?

What shapes do we see making up the Eiffel Tower?



How can we make a tower strong AND tall?

Does Big Ben look like one big piece or several connected pieces? How might layering connected parts add strength?



What can the leaning tower of Pisa teach us about the base on which we build our tower?



Before beginning, we like to use the video or have an adult demo a few things.

1.) We are looking for more than a simple container or toilet paper roll for the apple to rest on.



2.) REPETITION. We like to introduce this art concept as a simple way of adding visual interest. Line variation, cross hatching, and stippling are great early elementary art concepts.



3.) CRAFTSMANSHIP = Care and neatness for your work

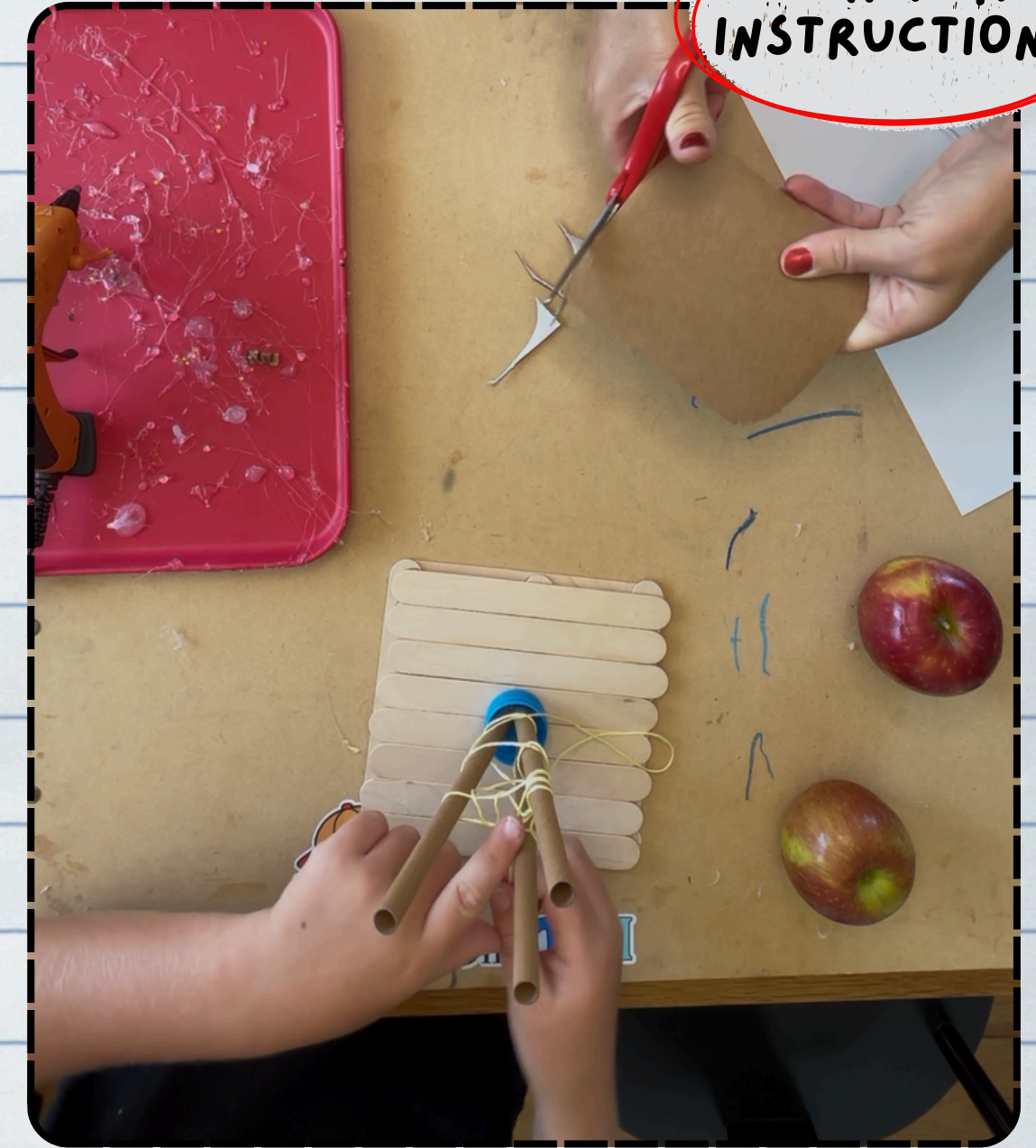
TEACHER
INSTRUCTIONS



Start with a sketch! Have the apples out and available for holding, touching, brainstorming, and testing.



Have rulers or measuring tapes available too. Students should be measuring WHILE they work and not just at the end.



Keep the apples out and remind kids to test as they work. Waiting until the very end to realize your apple does not fit can be very frustrating.

TEACHER INSTRUCTIONS



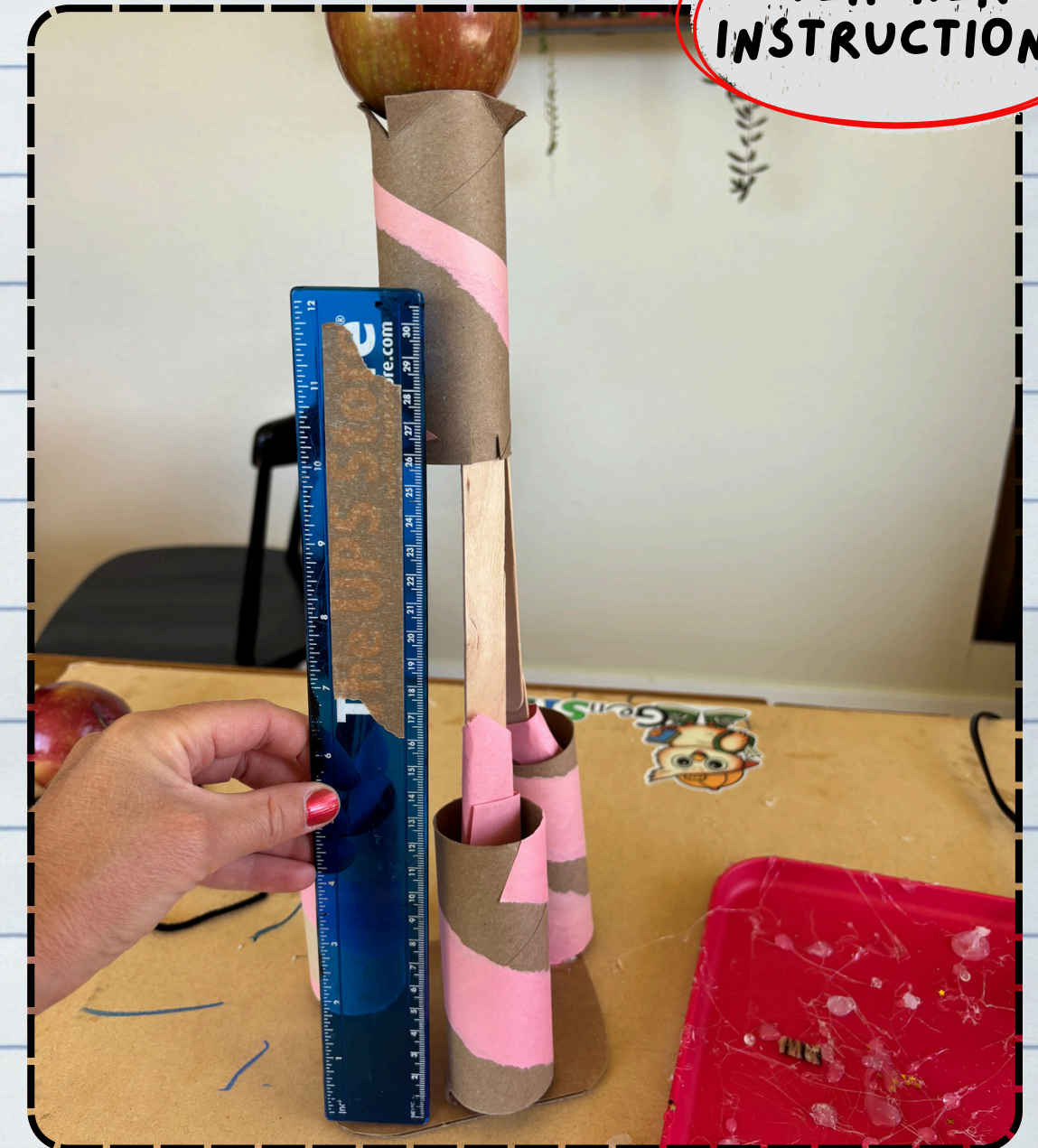
Grades 2-3 is where we really like to start talking about craftsmanship.

Using the right tool and the right amount for the job.

"Less glue, less goo"



Finished design from a 1st and 4th grader team.



Finished design from a third grade team.

EXTENSION OPTIONS:

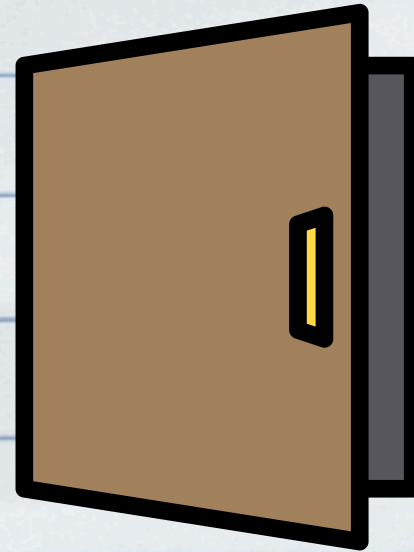
SHOW
STUDENTS

SHAKE TEST



Can your design survive wind or a small shake? If not, what changes can you make or what can you add to allow it to do so?

ADD A TRAP DOOR



Can you add a trap door at the bottom of your tower to allow for a maintenance crew to do repairs?

DESIGN FOR A THEME



Design for a specific theme.
Some ideas:

- Orchard tower
- Theme Park
- Castle