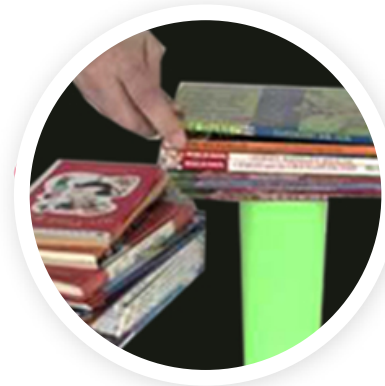
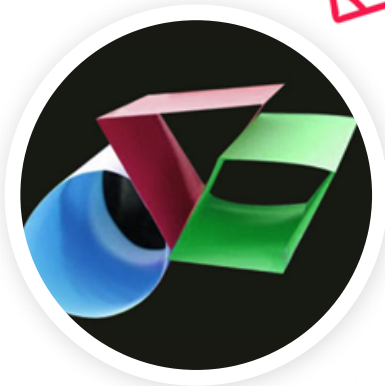


# How strong can a sheet of paper be?



Science: Engineering



## Procedures

## DIY Project of the month March

1. Take your three sheets of card stock paper and transform them into three unique shapes. Please take the first paper and fold it into four equal creases. Now take the paper and fold it into a rectangular prism and make sure it is taped together.
2. Take the second sheet of paper and fold it into three sections and make a triangular prism. Tape the sides together.
3. Lastly, take the final sheet of paper, roll the paper into cylinder and tape its sides together.
4. Now for the fun part. Take a stack of books and place a book slowly one at a time on top of the first shape. Keep adding books until the paper tower comes crashing down. How many books did it hold? Continue this process until you determine which shape was able to hold the most books.
5. Which was the strongest shape? Why?

## Materials

Paper Pencil Scotch tape Magnifying glass