

# HAPPY KITE DAY!

## TETRAHEDRAL KITES

You will be creating a  
Tetrahedral Kite.

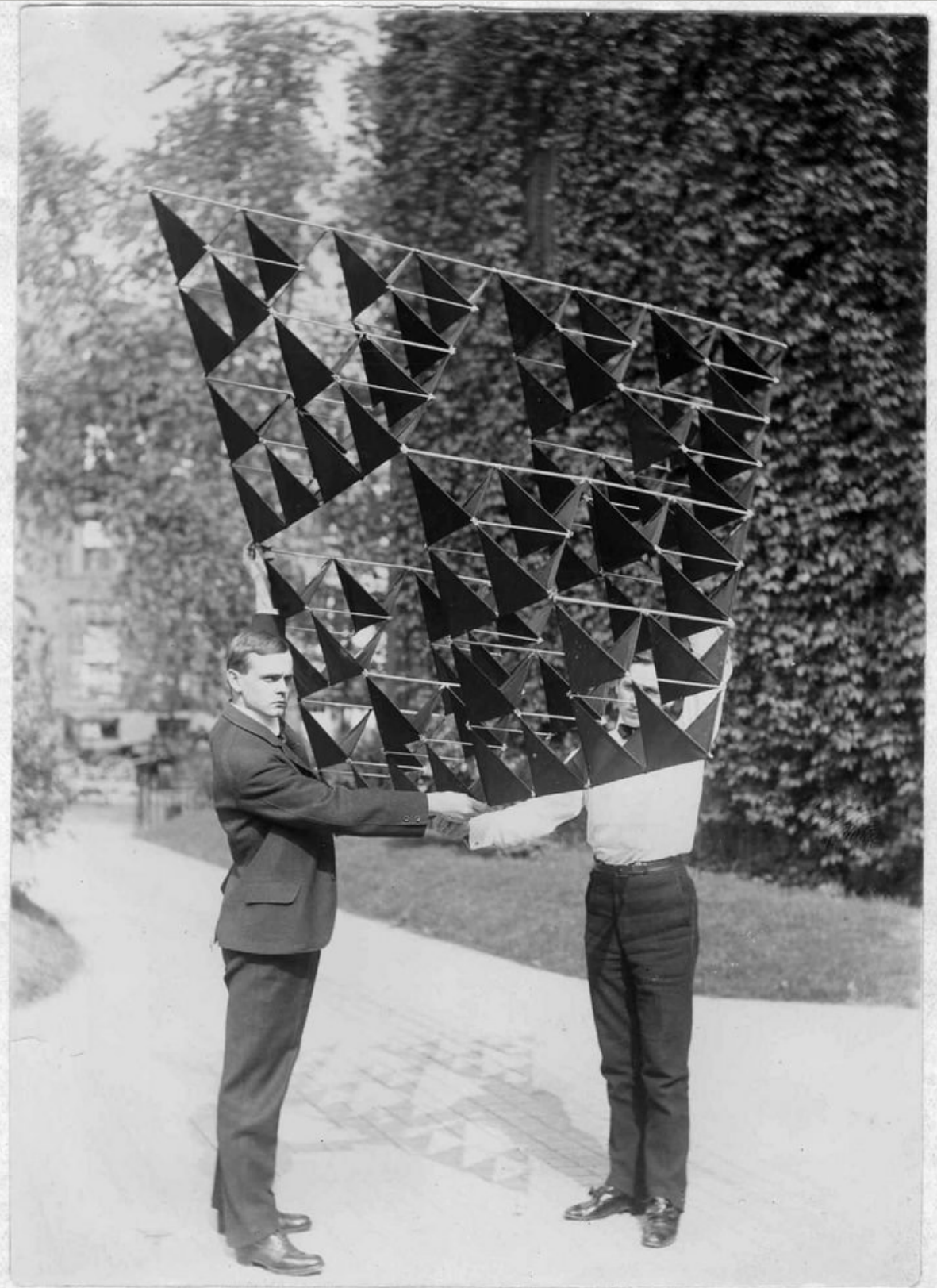
Mrs. VanZegeren has  
provided you with a  
“Kite Kit” that has all the  
necessary materials to make  
the kite.





# ALEXANDER GRAHAM BELL

Alexander Graham Bell is best known for inventing the telephone, but he also invented the tetrahedral kite. He conducted extensive experiments with the hopes that his structure could eventually carry a human through the air.





# DIRECTIONS

## TETRAHEDRAL KITES

I've attached both a YouTube video giving directions for completing the kite as well as written directions.

Creating the kite is broken down into these steps:

- straw pyramids
- tissue paper tents
- assembling the kite





# DIRECTIONS

## TETRAHEDRAL KITES

VIDEO INSTRUCTIONS

WRITTEN INSTRUCTIONS\*

\*Note that the written directions show 3 layers of pyramids, our kites will only have 2 layers (4 pyramids total)





# WHAT YOU'LL NEED

## STRAW PYRAMIDS

Task: Create 4 straw pyramids using...

- 24 straws
- 4 white strings (long)
- 4 orange strings (short)





# WHAT YOU'LL NEED

## TISSUE PAPER TENTS

Task: Create 4 tissue paper tents...

- 2 full sheets of tissue paper
- scissors
- pencil
- tape





# WHAT YOU'LL NEED

## TETRAHEDRAL KITES

### Task: Assemble your Tetrahedral Kite

- Tie your 4 straw pyramids together as directed; make sure all tissue paper tents are arranged in the same direction.
- Create loop across top, back pyramid
- Tie the end of the string wrapped around the popsicle stick to the loop you created on the back of your pyramid; this creates your flying string





# KITE PHOTO REQUIREMENTS

For a grade, you must  
send Mrs. VanZ a photo  
of you flying your kite.



Submit photo on Canvas;  
see Week in Preview for due date



# KITE PROJECT

## CONTACT



If you are confused or need help, email me:)  
[svanzegeren@westmichiganaviation.org](mailto:svanzegeren@westmichiganaviation.org)