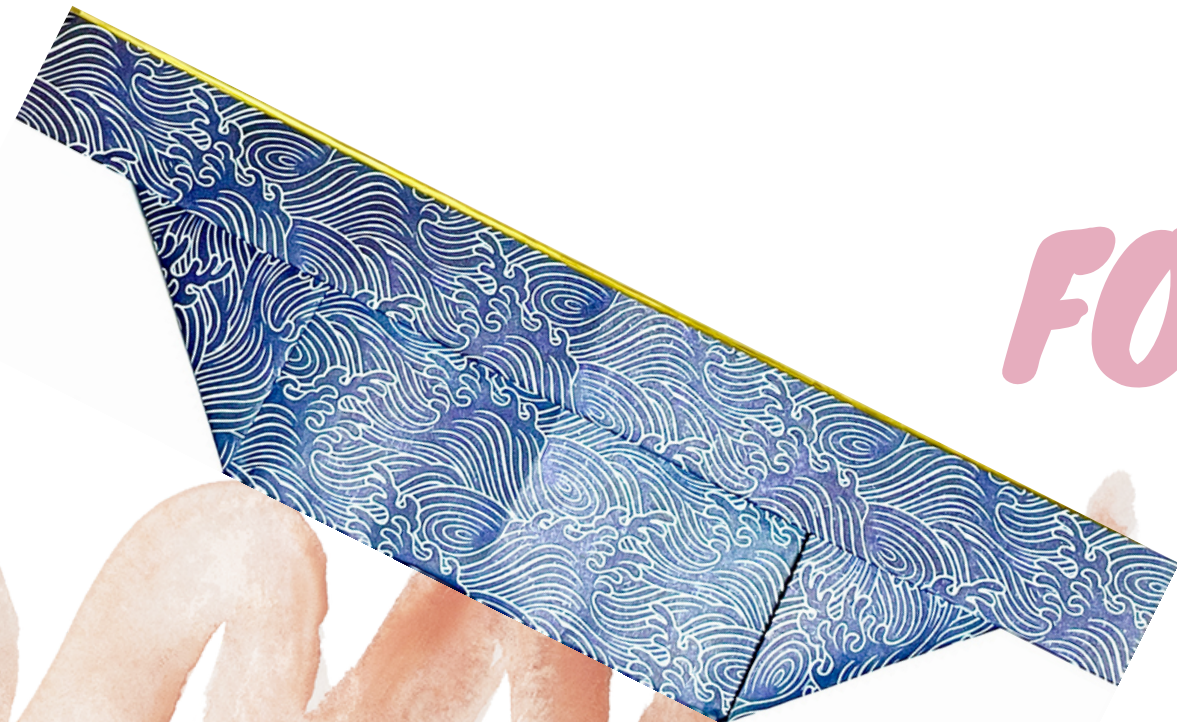




Origami & Math

**WELCOME 2ND-4TH GRADE
TEACHERS!**

**INTRO TO:
FOLDING FRACTIONS**





Origami & *Math*

Award-winning origami artist & storyteller, Kuniko, will teach K-12 students how to fold a variety of origami models with step-by-step instructions.

Students will create folding patterns that demonstrate an understanding of shapes, angles, and geometric attributes. A native of Japan, Kuniko also folds her cultural perspectives and math games into every session.



01 WHY

ORIGAMI IS HIGHLY MATHEMATICAL. THE WORLD-CLASS MATHEMATICIANS, ENGINEERS, AND SCIENTISTS ARE GENERATING IDEAS BY LEARNING ORIGAMI CREASING PATTERNS.

ORIGAMI HANDS-ON EXPERIENCE IN THIS RESIDENCY WILL;

- INCREASE STUDENTS' ABILITY TO DEMONSTRATE FRACTIONS
- IDENTIFY SHAPES AND THEIR ATTRIBUTES
- PROVIDE A SENSE OF STEAM (SCIENCE, TECHNOLOGY, ENGINEERING, ART & TECHNOLOGY)
- CONNECT WITH THE JAPANESE TRADITIONAL ART





01

WHAT'S ORIGAMI?

Watch Kuniko's video "Origami 101"

<https://youtu.be/Lavj-5yde6U>

Origami
&
Math



02

SCOPE & SEQUENCE

DAY 1

What's ORIGAMI?
What's FRACTIONS?
Parts of the whole
will be folded into
origami boat.

DAY 2

VISUALIZE $\frac{1}{2}$, $\frac{1}{4}$
and $\frac{1}{8}$

Fold origami house
and see how
fractions are
counted.

DAY 3

FRACTIONS SIZE
COMPARED

Fold origami boxes
and compare the size
of $\frac{1}{2}$, $\frac{2}{4}$, $\frac{3}{4}$ and
 $\frac{5}{8}$

DAY 4

FRACTIONS BY THE
LINE OF SYMMETRY

Fold origami airplane
by using a variety of
lines of symmetry.

DAY 5

FRACTIONS

IN DIFFERENT SHAPES

Fold origami cat and rabbit.
Find more fractions
in triangles.

03

LOGISTICS

WHAT WE'LL USE



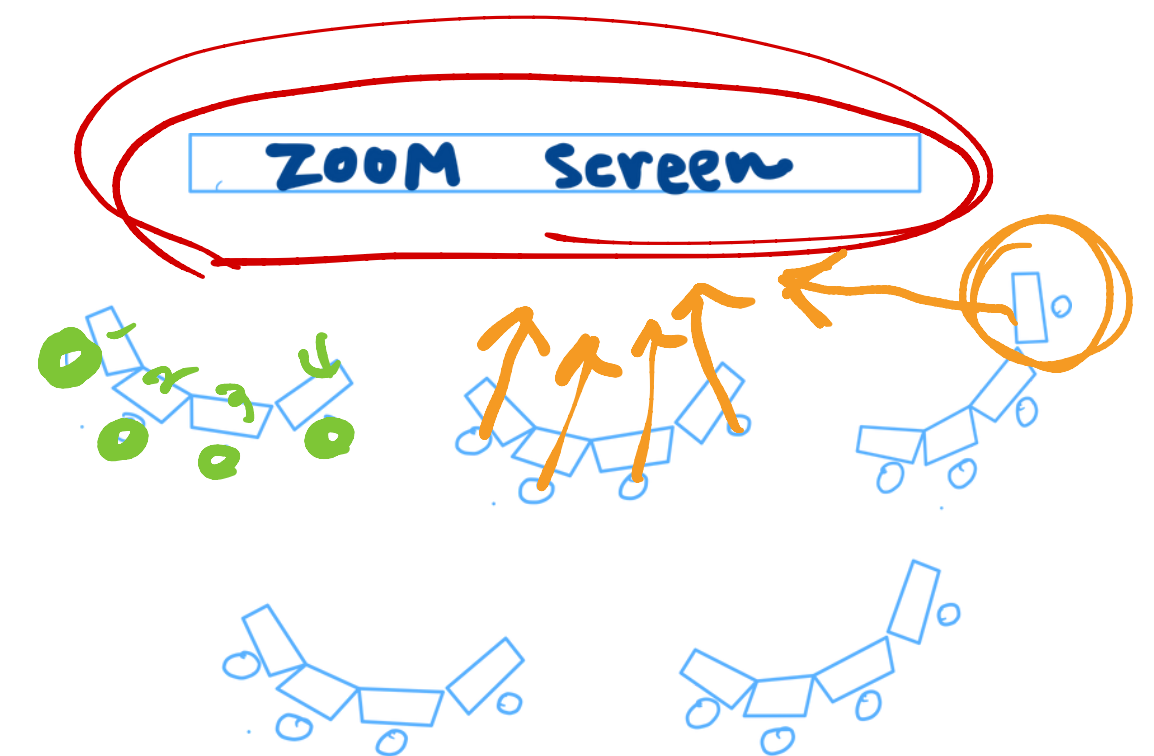
TECH

COMPUTER
PROJECTOR
CAMERA
SPEAKER
MICROPHONE



MATERIALS

3 PIECES OF PRINTER PAPER
(COLORED ONES IF AVAILABLE)
*** 3 PIECES PER STUDENT
AND PER DAY



SPACE

SEATED BY GROUP FACING
TO THE VIDEO SCREEN

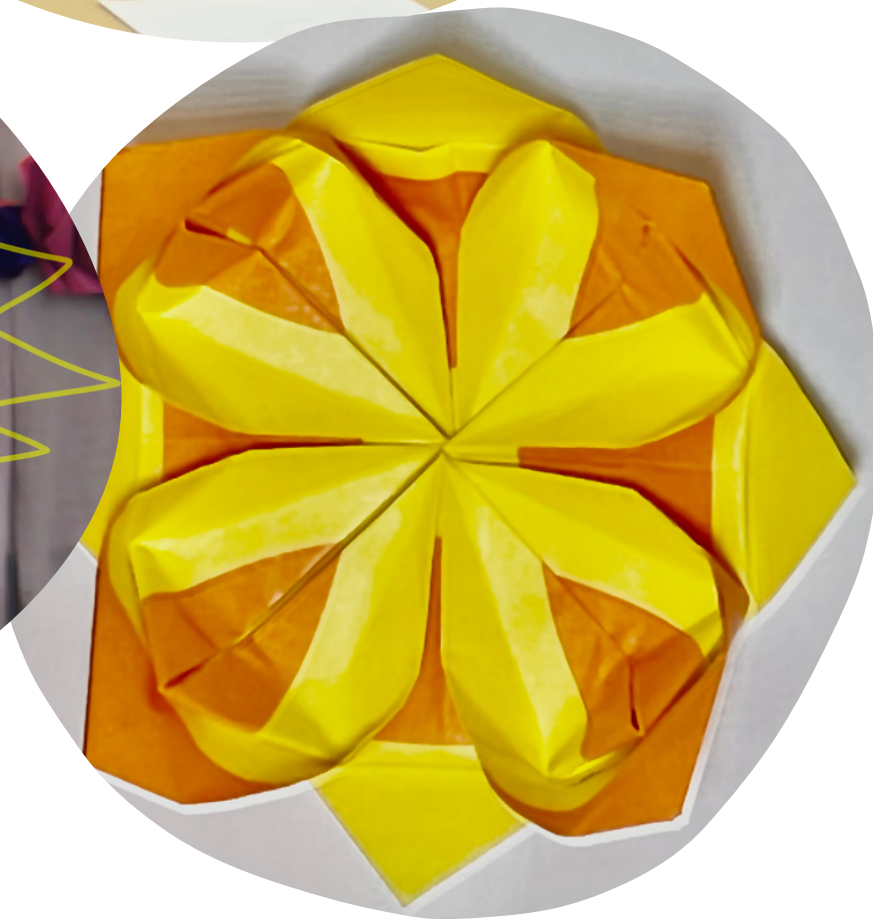


04 COLLABORATION



COMMUNICATE


- unmute and speak into microphone
- type in the chat when easier
- communicate about time needed to complete tasks
- make sure the camera is on the students so I can give feedback



PARTICIPATE

- feel free to jump in and fold with us
- circulate and check in with students during hands-on time s

REDIRECT

- redirect individual students when needed rather than stopping the whole class if the majority is on task
- 

04 COLLABORATION

DOCUMENT

- please take photos and short video clips of your students in **landscape format**. You can text or email to jessia.focus5@gmail.com or 908 528 1317.

EVALUATION

- Your feedback is **EXTREMELY** important to us. To allow your district to continue supporting opportunities like these, please fill out the [short evaluation](#) as soon as you receive it. Thank you!





THANK YOU!



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YouTube



OrigamiAir.com

