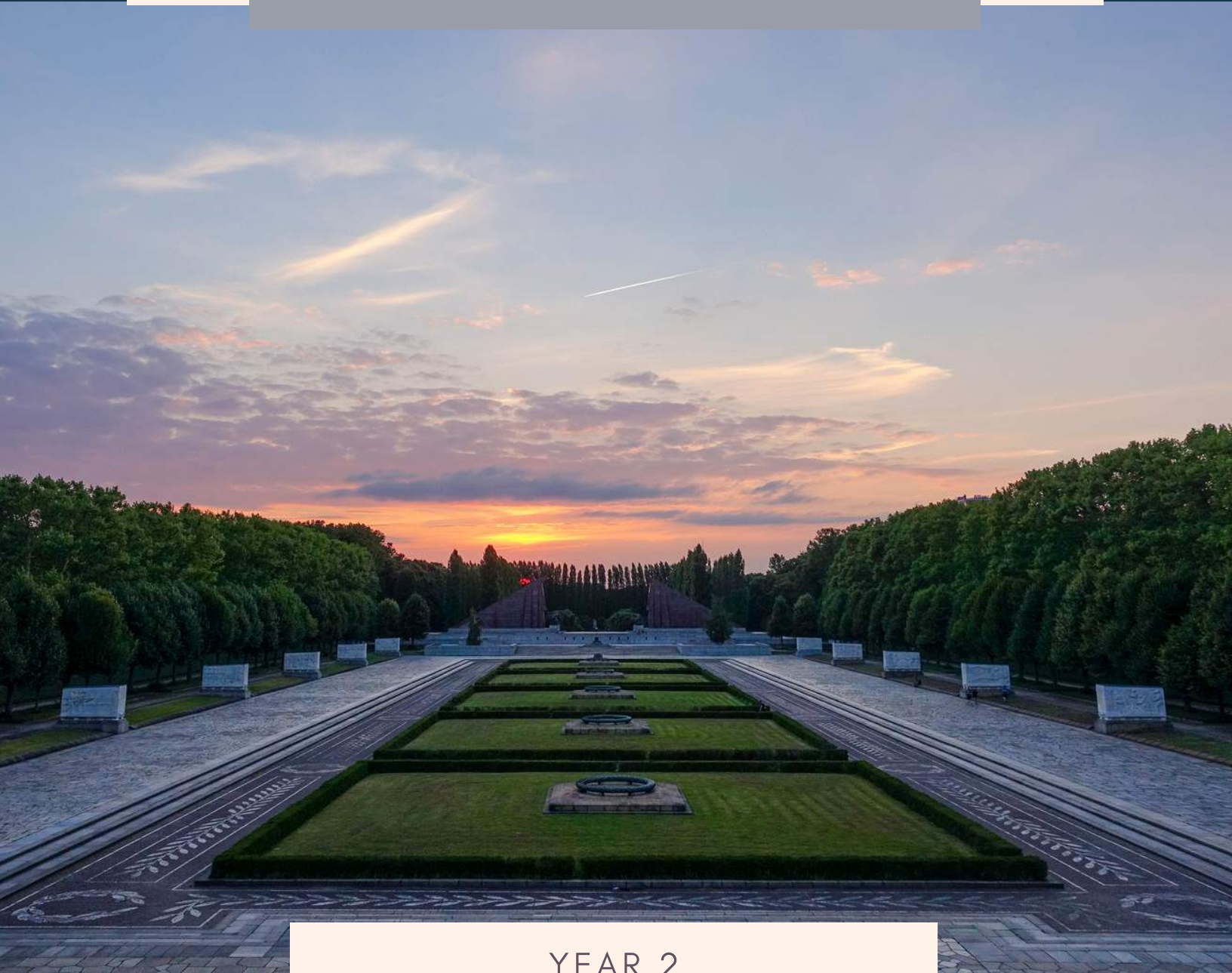


BLOSSOM & ROOT

INTEGRATED MATH AND ARTS // YEAR 2

Exploring the Math in Art

PARENT GUIDE



YEAR 2

Exploring Line, Focal Point, Repetition, Fractals,
Fractions, Grids, and Times Table Geometry



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Integrated Math and Arts,
Year 2:

Exploring the Math in Art

A Complete, Hands-On Math-Inspired Arts Curriculum

Grade 2

Blossom & Root Integrated Math and Arts Year 2: Exploring the Math in Art

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Week One: Vertical and Horizontal Lines

Part One: Picture Study

Show your child Pieter Jansz. Saenredam's *Saint Bavo, Haarlem*. Let them gaze upon it for a few minutes. Then, hide the work from view and ask them to recall as many details about it as possible. (Colors, shapes, figures, features, feelings, etc.)

Once your child is finished, tell them the title of the piece and the name of the artist.

(Use Google search or library books to find a copy of the piece to show your child.)

In the same session, or in a separate session, repeat the process with photographs of Frank Lloyd Wright's *Fallingwater*.

Part Two: Exploring the Math Concept

Read to your child: *Lines are one of the most important elements that an artist uses to create their work, and to express their vision. There are many kinds of lines used in art. This week, we will explore vertical and horizontal lines. Vertical lines go up and down. We can see many of them in Saenredam's work. Horizontal lines go side to side, parallel to the horizon. We can see these in the photos of Fallingwater. These two types of lines can express many things. In our examples this week, the vertical lines in Saenredam's work give us a sense of wonder, awe, and the grandeur of the building. In contrast, the horizontal lines of Fallingwater give us a sense of peace, harmony with nature, and a more grounded feeling.*

Part Three: Exploring with Art

Provide two large sheets of paper--the bigger the better. Tape the sheets to a wall (protect the surface if needed.) Tape one of the sheets "portrait-style" and one of the sheets "landscape-style." Give your child a variety of things to make lines with. These can be mark-making materials such as chalk, paint, oil pastels, pens, markers, pencils, etc. They can also be things like washi tape or duct tape, yarn and Scotch tape, etc. Invite your child to explore making vertical lines on the "taller" paper and horizontal lines on the "wider" paper.

Line

This Week's Math Concept:

Vertical lines go up and down. Horizontal lines go side to side and run parallel to the horizon.

This Week's Featured Works of Art:

Pieter Jansz. Saenredam
Saint Bavo, Haarlem
1634

Frank Lloyd Wright
Fallingwater
1936-7

Supplies You Will Need:

- Two large sheets of paper
- Supplies for mark-making: crayons, markers, pens, pencils, oil pastels, chalk, etc.
- Washi tape or duct tape
- Yarn and scissors
- Scotch tape

