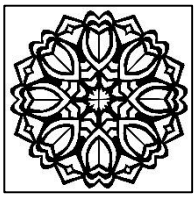
Peterborough Victoria Northumberland and Clarington Catholic District School Board

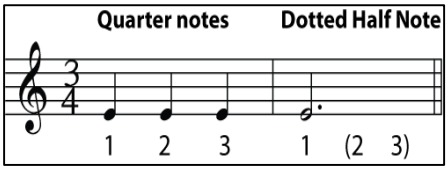
Math Moment…

Mathematics and Art



Art and math have a lot in common with each other. In fact, you can see the math in art and the art in math! Patterns, shapes, geometry, symmetry, spatial reasoning, and proportional reasoning are all a part of the arts (visual art, music and dance), as they are of mathematics.

Some of what you see your child doing in school in the arts, is also an engagement with mathematical ideas at the same time. By blending mathematics and the arts, students engage in the learning intellectually, emotionally and physically. Students build critical thinking, problem solving, and communication skills.



A child stringing beads in a pattern for a bracelet is building a math understanding of patterning, although to them it may look simply like a pleasing design. When a child learns to play an instrument, they are developing mathematical understanding of the relationships between scales, notes and chords.

Symmetry can be seen in the features of a butterfly or in a design when building a tower with blocks. Children may notice patterns in wallpaper, tile tessellations on the floor, rhythmic beats or repeated choreography in music videos or chords in a popular song. There is math everywhere!

For ideas on how to support math learning through music, drama and visual arts at home, please visit the following sites:

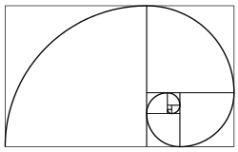
Drama: https://goo.gl/UD8KTi

Visual Arts: https://goo.gl/kRSn1n

Music: https://goo.gl/FRaEcx

March Break Ideas: https://goo.gl/B1xq1A

Interested in more? Search the internet for “golden ratio” to see examples of mathematics at work in nature and art (visual arts, music and dance)!



And do not forget to celebrate **Pi Day** on Wednesday, March 14.