

Mathematics and Poetry Lesson Plan/Selim Tezel 2012 Poetry Institute

Suggested Poems: (see Susan Ludwig's example of resources here)

Poems by Mathematicians/Scientists

Poems about Mathematical Topics

Poems about Mathematicians

Poems that have mathematical aspects (geometric form etc.)

Poems that have inspired Mathematicians

Your own idea here...

Learning Goals:

To see Mathematics in Poetry

To see Poetry in Mathematics

To learn how to use creative and analytical aspects of the mind ambidextrously

Assignment:

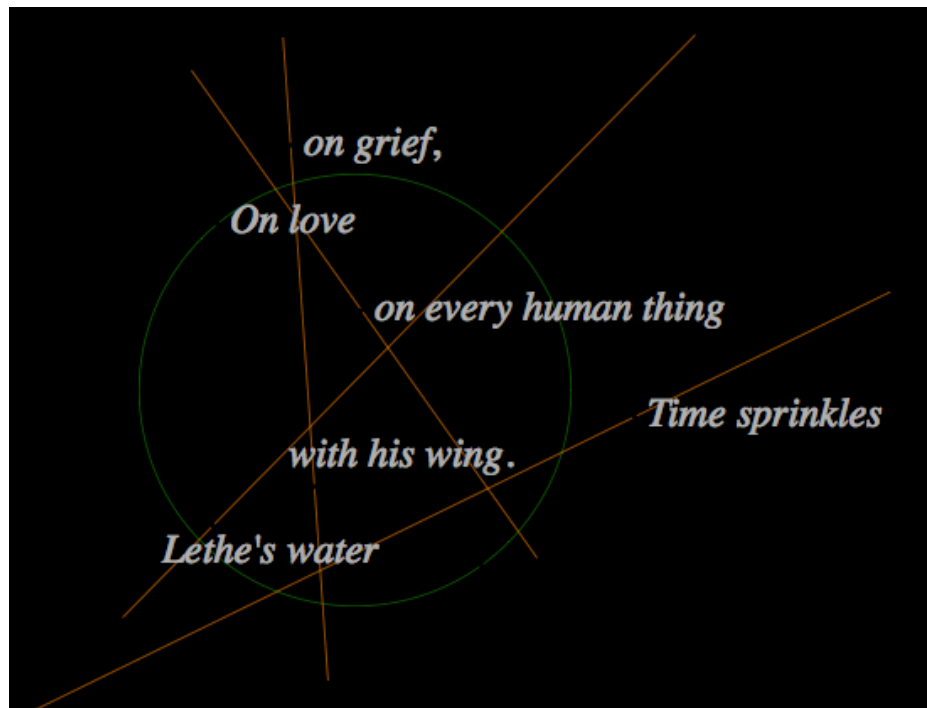
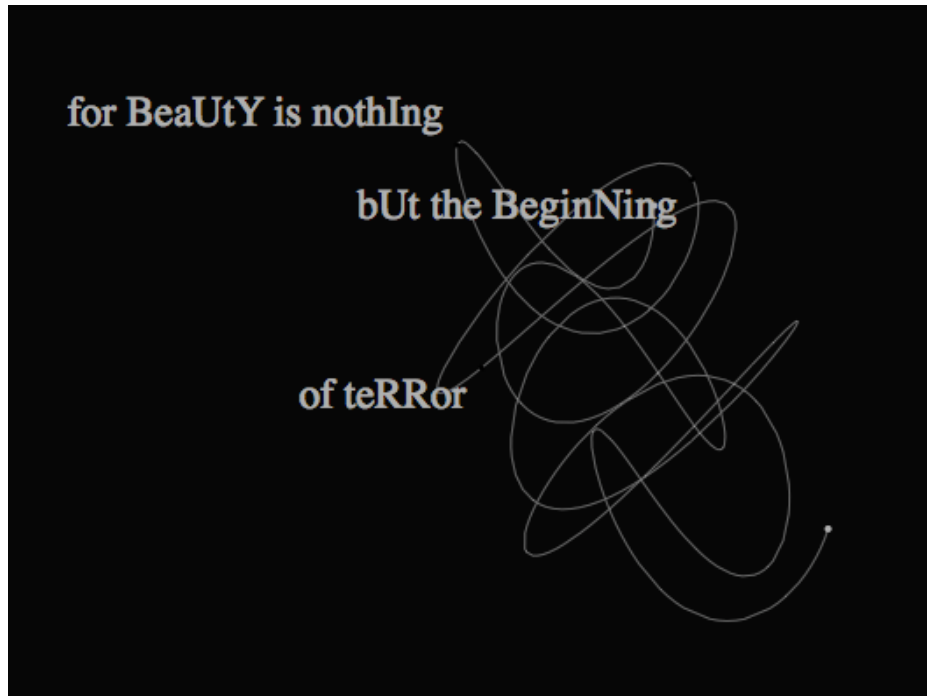
Find a poem of interest to you. It can be from the suggested list or something completely of your choice. It can also be a poem you have written.

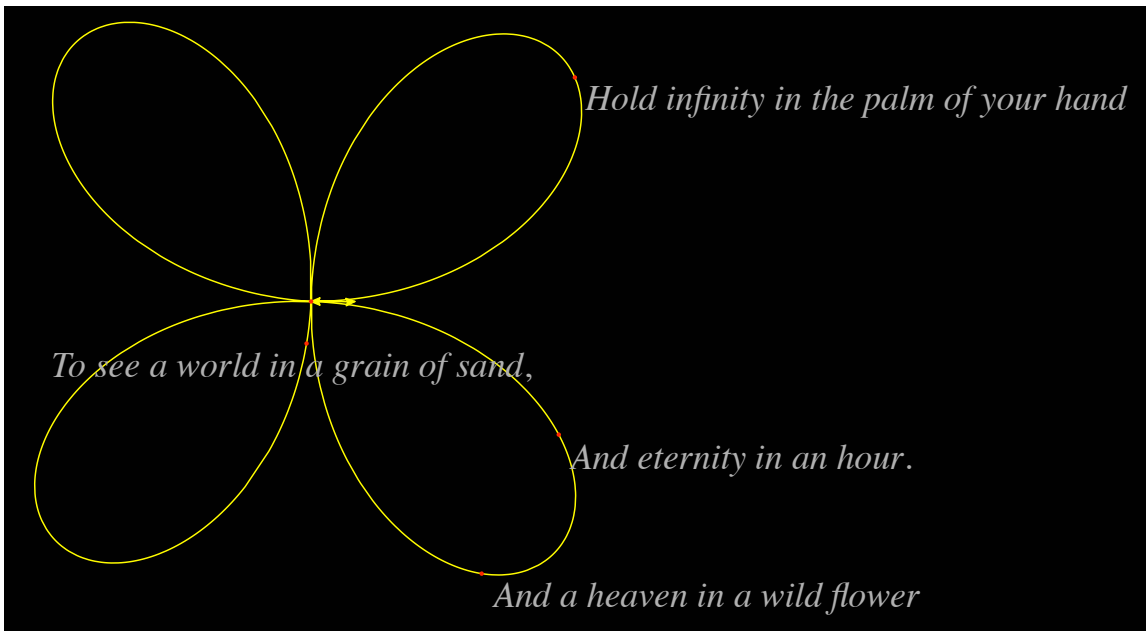
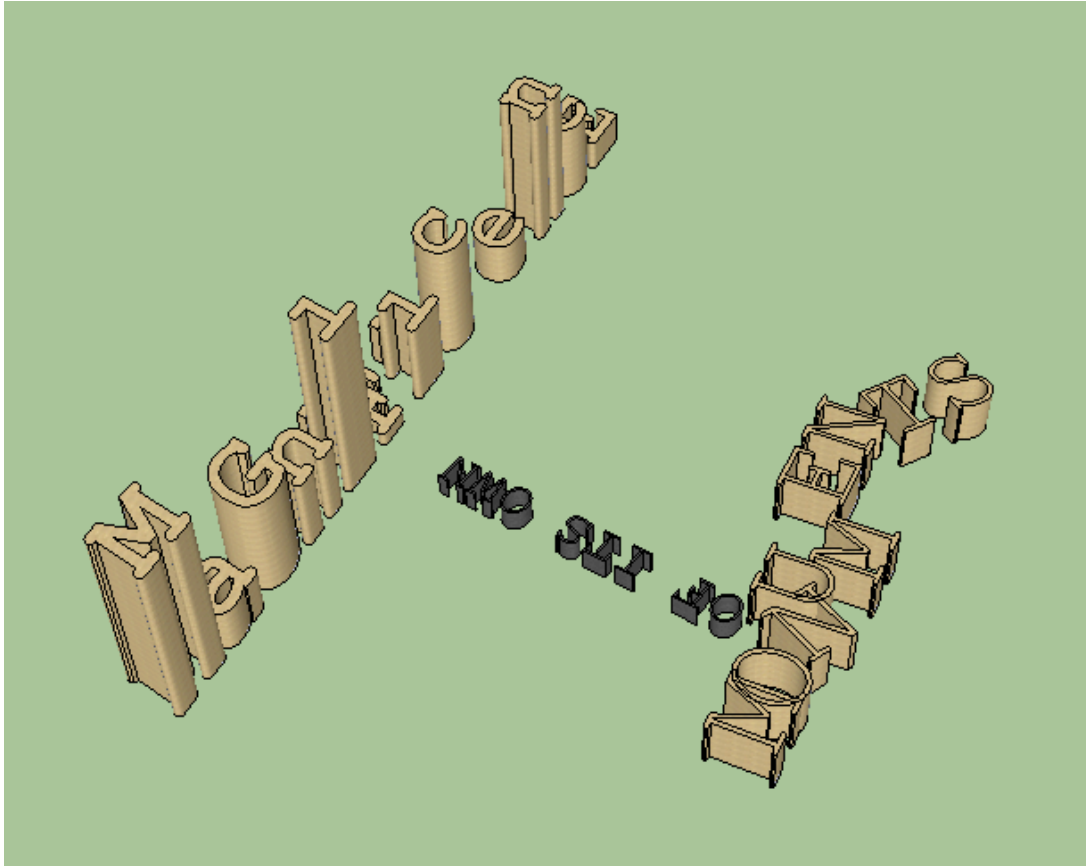
Generate (with Geometers Sketchpad, Google SketchUp, Cabri3D etc) a mathematical form that can help express your poem (part or whole) and incorporate the form with the poetry. Be sure to explore animation features of the software to emphasize, explore, invent temporal aspects of your poems.

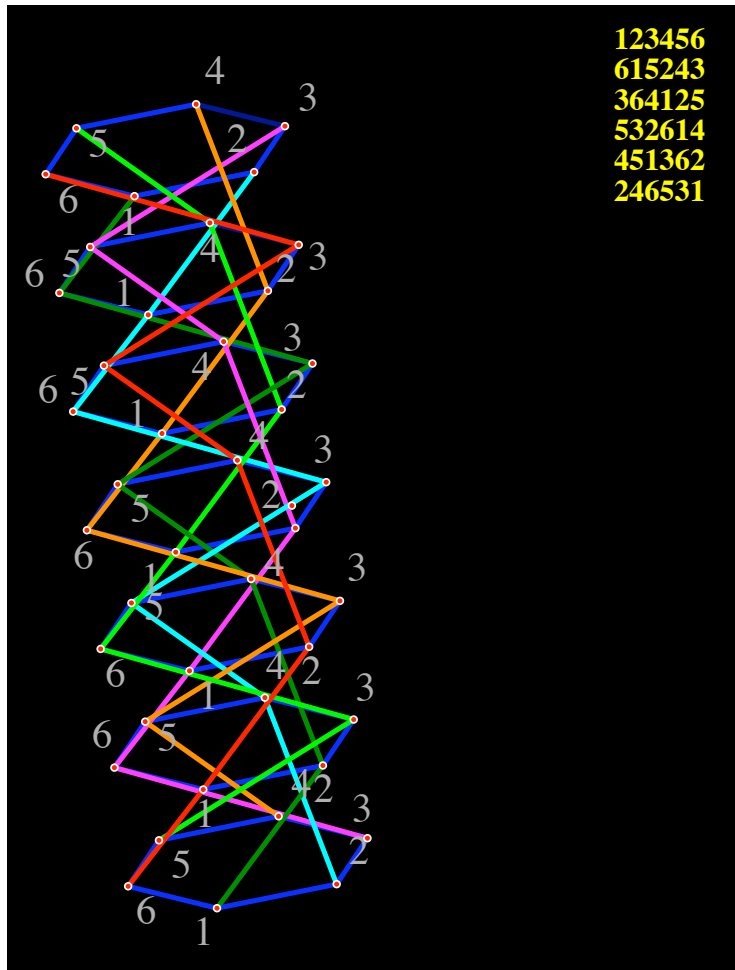
Use a screen recording software (Camtasia etc) to capture your work and upload it to YouTube. You are welcome to use voice over your visuals (such as the recitation of the poem etc.) If using music be aware of the copyright protection issues.

Include a description of your work and discuss what your choices signify for you.

Examples: (Screen shots of works created by mathematical software)







123456
 615243
 364125
 532614
 451362
 246531

Structure of Sestina in GSP 5.0 (with 3D interface)