

IDEAS FOR MORE GEOMETRIC EXPLORATIONS



Tell me and I forget. Teach me and I remember. Involve me and I learn. – Benjamin Franklin

SOME RESOURCES

These suggestions how to experience more geometry are gathered from David's notes and various online sources after the 3rd edition (as available October 2019 but not all guaranteed to be there always; search for new ones, too). More can be found in the Bibliography which is the same as it was in the 3rd edition.

- ✚ Many ideas to explore are in *Geometry and Imagination* by John Conway, Peter Doyle, Jane Gilman, and Bill Thurston: <https://math.dartmouth.edu/~doyle/docs/gi/gi.pdf>
- ✚ Explore geometry through paper folding, including origami. Some stunning geometric origami images: <https://www.thisiscolossal.com/2019/10/origami-by-arseni-kazhamiakin/>.
- ✚ Also see *Patty Paper Geometry* by Michael Serra (Playing It Smart, 2011)
- ✚ Explore scutoid – the shape discovered by biologists: <https://www.livescience.com/63207-scutoid-new-shape-nature.html> 3-D files and a video explaining this shape: <https://www.thingiverse.com/thing:3024272>
- ✚ The oldest (103 in 2019!) still working mathematician Richard Guy has put online a book about triangle which he calls *The Triangle "movie"* <https://arxiv.org/pdf/1910.03379.pdf>