

Math Adventures - list compiled by Dave Mitchell  
email: [mitchell@arithmecode.com](mailto:mitchell@arithmecode.com)

[www.arithmecode.com](http://www.arithmecode.com)  
[www.mathticket.com](http://www.mathticket.com)

Do a **Google** search and/or **YouTube** search for the following search terms in **blue** text:

1. **CEMC** (University of Waterloo - for contests for grades 7 - 12 and Problem of the Week for grades 3 - 12)
2. **stickelers**
3. **Vi Hart** (all of her YouTube videos are wonderful)
4. **arithmecode solution** (how to solve arithmecode puzzles)
5. **Circle Song 2** (#5 - #8 are math songs by Dave Mitchell)
6. **Percent Song arithmecode**
7. **Integer Song 2**
8. **Line Song arithmecode**
9. **trammel of Archemides** (a do-nothing machine)
10. **Shelby Knot** (tie knot - topology)
11. **zentangle** (art - somewhat math-related)
12. <https://www.youtube.com/watch?v=qKTC41T5fPk> (click on this video link for the pentagonal star from a single cut of a piece of paper)
13. <https://www.youtube.com/watch?v=O51HNziFEyw> (click on this video link for the triangle-circle paper box)
14. <http://arithmecode.com/conference.htm> (for Fraction Rap, Circle Song and much more)
15. <https://www.youtube.com/watch?v=2ebpGX2v6AM> (click on this link for online ESP game)
16. **Tricklandia** (math tricks on YouTube)
17. **lattice multiplication** (a neat way to multiply numbers)
18. **fibonacci spiral** (learn about it on YouTube)
19. **make a wine glass sing** (very cool ... maybe the sound frequency relates to math)
20. <http://arithmecode.com/fingermath.pdf> (click on this link for finger math instructions)
21. **chipmunk basic** (a free online version of the programming language BASIC)
22. <https://www.khanacademy.org> (click the link for an online math help site)
23. **143** (what significance does this number have?)
24. **Shakuntala Devi**
25. **TANSTAAFL** - is it true?