

1145-A1-2358 **Igor V. Minevich*** (minevich@rose-hulman.edu). *Students Need Yin!* Preliminary report.

Students need to see the beauty of math, have fun with it, get creative with it, and be proud of their work (these are the yin aspect of mathematics). For the first five minutes of class, I like to do little NP-complete puzzles with the students or talk about the things I find enjoyable about mathematics, such as pictures of fractals or simple combinatorial arguments. I also like to assign problems for extra credit where they need to get creative. This exposes them to a more balanced view of mathematics and suddenly they find that math is not nearly as boring/regimented/uncreative as they thought and start seriously considering majoring in the subject. (Received September 25, 2018)