

# From Hidden Figures to Human Flourishing: Humanity, Community, and Justice in Mathematics

*A conversation with Ranthony Edmonds and Francis Su*

## Resources to Share

Potential articles and resources about math and humanity, math and community, math and justice, PD for teachers, and resources for parents go here!

Ranthony Edmonds: <http://www.ranthonyedmonds.com/>

Francis Su: <https://www.francissu.com/>

Stories about Edmonds' *Hidden Figures* course:

- in the Notices of the American Mathematical Society (with ideas for teachers):

<https://www.ams.org/journals/notices/202102/rnoti-p207.pdf>

-in news stories from [Ohio State](#) and the [OSU Math Department](#)

Su's *Mathematics for Human Flourishing*

- the [blog post](#) (useful for discussion in class or with colleagues) and [the book](#)

## Especially for Teachers:

*Living Proof: Stories of Resilience Along the Mathematical Journey*

(stories by mathematicians about overcoming obstacles): the free book:

<https://www.maa.org/press/ebooks/living-proof-stories-of-resilience-along-the-mathematical-journey-2> and the blog (with more stories): <https://blogs.ams.org/livingproof/>

Websites showcasing diverse people who do mathematics: [Lathisms](#), [Mathematically Gifted & Black](#).

On building community in K-12 classrooms (ideas from the Illustrative Mathematics blog):

<https://illustrativemathematics.blog/2018/07/23/building-a-mathematical-classroom-community/>

Showcasing beautiful ideas in math: Su's *Math Fun Facts* website <https://math.hmc.edu/funfacts/>

Including the Red-Black Pairs Card Trick: <https://math.hmc.edu/funfacts/red-black-pairs-card-trick/>

Thinking about ways we unintentionally discourage people from doing math: [Mathematical Microaggressions](#), [The Secret Mathematical Menu](#).

Coaching students to collaborate with each other: (Harvey Mudd College handout):

<http://bit.ly/hmc-math-collab>

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NCTM's *Principles to Actions* (research-based teaching practices essential for a high-quality mathematics education for each and every student)

[https://www.nctm.org/uploadedFiles/Standards\\_and\\_Positions/PtAExecutiveSummary.pdf](https://www.nctm.org/uploadedFiles/Standards_and_Positions/PtAExecutiveSummary.pdf)

### **Especially for Parents:**

“Math Anxiety is Real: Here’s How to Help Your Child Avoid It”:

<https://www.npr.org/2019/05/14/723182826/raising-kids-who-love-math-even-if-you-dont>

Math Circles and other online events:

<https://mathcommunities.org/>

Mathical Book Prize winners (books that inspire children to see math in the world around them):

<https://www.mathicalbooks.org/>

Shelly Jones’ [Women Who Count: Honoring African American Women Mathematicians](#) (children’s activity book that includes *Hidden Figures* mathematicians)

Puzzle books, like this one by Martin Gardner: [My Best Mathematical and Logic Puzzles](#)

Online videos exploring mathematical ideas, like PBS Infinite Series (hosted by Kelsey-Houston Edwards and Tai-Danae Bradley): <https://www.youtube.com/channel/UCs4aHmTfFrpkPcWSaBN9g>