

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>

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

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>