

Teaching Math in Your Interior Design Program - Link Handout

Articles on Math in Interior Design

- The Importance of Math In Design, You Need to Know. (2022, May 10). Sortra <https://www.sortra.com/the-importance-of-math-in-design-you-need-to-know/>
- Better Design through Mathematical Principles. (2020, July 9). PixTeller. <https://pixteller.com/blog/better-design-through-mathematical-principles-141>
- 5 Ways Geometry is Used in Interior Design. (2016, July 18). Ldb-Interior-Design. <https://www.ldbdesign.com/post/2016-07-18-5-ways-geometry-is-used-in-interior-design>
- Proportionately Yours – The Math of Interior Design. (2021). Srivastava. <https://www.synergyce.com/proportionately-yours-the-math-of-interior-design.php>

Generation Z

- Learning by Generation.. <https://www.linkedin.com/pulse/learning-from-gen-z-training-todays-workforce-jackie-peer/>
- How Do We Teach? Bite Sized Chunks <https://blog.tcea.org/generation-z-snackable-content/>

Bite Sized Chunks – Here's More..

- Overcoming the Most Common Mistake Educators Make Leading Generation Z <https://growingleaders.com/overcoming-the-most-common-mistake-educators-make-leading-generation-z/>
- Teachers Meet Generation Z <https://www.hollyclark.org/2019/04/30/teachers-meet-generation-z/>
- Learning From Gen Z - Training For Today's Workforce <https://www.linkedin.com/pulse/learning-from-gen-z-training-todays-workforce-jackie-peer/>
- How Do We Teach? <https://kpkpkp.com> 4 Innovative Ways to Teach with Video Games – Leila Meyer

Resources for Gamifying Math

- Introduction to Gamification in the Math Classroom <https://www.youtube.com/watch?v=iYzKgp4JfbM>
- A Game of Jeopardy <https://www.youtube.com/watch?v=JyW3bWI8uF8>
- PokeMath – Gotta Solve Em All Pokemon Gamification of Math Class <https://www.youtube.com/watch?v=z-78rvo8pOw>

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How Do We Teach? Smarter

- Khan Academy www.khanacademy.org
- Math Planet <https://www.mathplanet.com>
- Home School Math <https://www.homeschoolmath.net>

How Do We Teach? Use Videos!

- Adding and Subtracting Fractions (4:21) <https://www.youtube.com/watch?v=5juto2ze8Lg>
- Integrating Math Into Interior Design Lessons

Lesson Plans for the Golden Ratio

- Fibonacci Sequence and the Golden Ratio https://www.clevelandart.org/sites/default/files/documents/lesson-plans/cma_lesson_mhj_fibonacci.pdf
- Golden Mean – Math Integration <https://www.incredibleart.org/lessons/high/Grace-golden.htm>
- How to Use the Golden Ratio in Your Design <https://www.interaction-design.org/literature/article/the-golden-ratio-principles-of-form-and-layout>
- Are We Golden? <https://learn.k20center.ou.edu/lesson/322>

Lesson Plans for Geometry

- Coordinate Planes and Japanese Interior Design <https://china.usc.edu/k12/forums/lesson-plans/coordinate-planes-japanese-interior-design>
- Interior Design Game <https://www.education.com/activity/article/interior-designer-day/>
- Teaching Geometry Using Art and Architecture <https://uh.edu/honors/Programs-Minors/honors-and-the-schools/houston-teachers-institute/curriculum-units/pdfs/2004/hands-on-geometry/mcgowen-04-geometry.pdf>

Mensuration

- https://sharemylesson.com/teaching-resource/mensuration-mep-unit-7-155656?check_logged_in=1

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- **Modeling / Scale Resources and Lessons**
- Scale and Proportion Lesson for Interior Design Part 1 – YouTube <https://www.youtube.com/watch?v=L8i78nbxoPk>
- Bedroom Floor Plan <https://www.uen.org/lessonplan/view/5736>
- Floor Plan Design <https://www.uen.org/lessonplan/view/9047>

Area and Perimeter

- Tiny Houses https://nyctecenter.org/images/ML_CTE_exemplars/FACSProbSolvMLCTELearningExpTinyHouse_508.pdf
- Using Area and Perimeter to Design a Fun House
<https://www.gpsd.us/cms/lib/NJ01000249/Centricity/Domain/241/Using%20Area%20and%20Perimeter.pdf>
- Engaging Students in Math Through the Art of Tiling <https://blog.mindresearch.org/blog/math-art-projects>

Resources:

- Realityworks Webinars <http://realityworks.com/webinars>
- FREE infographics <https://www.realityworks.com/resources/realityworks-interactive-posters-downloads/>

Additional Resources:

- Free Career Exploration <https://www.realityworks.com/resources/free-lesson-plans/>
- Realityworks Blog <http://realityworks.com/blog/>
- Facebook <https://www.facebook.com/realityworksinc>
- Twitter <https://twitter.com/RealityworksInc>