Building a High School Math Research Curriculum

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SUGGESTED RESOURCES

1. ***Mathematics Teacher*** back issues. NCTM members have free access to PDFs of back issues. Contact retiring teachers to see if they would donate their hard copy libraries of back issues.

2. ***Writing Math Research Papers: A Guide for High School Students and Instructors Fifth Edition*** by Robert Gerver, 2018. Information Age Publications; www.infoagepub.com.

3. **rgerver@optonline.net.** Contact Rob at this email address if you would like a copy of the PowerPoint slides sent to you via Dropbox.

4. ***Developing Mathematical Reasoning in Grades K-12 (NCTM 1999 Yearbook)*** Chapter 17.

5. ***Developing Mathematically Promising Students.*** Chapter 23. NCTM 1999.

6. ***Proofs Without Words: Exercises in Visual Thinking I and II*** by Roger B. Nelsen.

7. **https://rgerver9.wixsite.com/mathresearch.** This site has two sample student research papers and a sample student PowerPoint presentation.

8. ***Chevron Best Practices in Education Winners*** 1999.

9. ***Write On! Math: Note Taking Strategies that Increase Understanding and Achievement Third Edition*** by Robert Gerver, 2018.

10. ***Mathematics Teacher* September 2017**. "Building a High School Math Research Curriculum" by Robert Gerver, and students Lauren Santucci and Hana Leventhal.

11. ***CMC Communicator December 2018*** "Communication Strategies that Enhance Teaching and Learning," by Robert Gerver.

12. ***CMC Communicator March 2019*** "Students as Authors: Using Writing Projects to Aid Understanding," by Robert Gerver

13. **These Other Journals:** *Math Horizons, PLUS Magazine (online only), The Pentagon, Duodecimal Bulletin, Mathematics and Informatics Quarterly, Fibonacci Quarterly,* Your state's Math Teachers' Journal, *School Science and Mathematics, Journal of Recreational Mathematics, Mathematics Magazine*

SOME RECOMMENDED *MATHEMATICS TEACHER* ARTICLES

NCTM members have free access to PDFs of back issues. Log on, click on **Publications**, click on **Mathematics Teacher**, click on **All Issues**, and find your issue.

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