

"Project to Do Great Work"

By I. M. Teacher

A Project Submitted in Partial Fulfillment of the Degree of
Master of Science Teaching
Department of Physics and Astronomy
Rice University

Date: _____

Advisor: _____
Prof. Patricia Reiff, Physics & Astronomy

Committee Members:

Abstract

This paragraph(s) summarizes what you did and the major conclusions and/or major results of your work. It should have all the most important items listed, not just "we will discuss" but "we have shown that greater hoo-hoos are the most critical birds because they eat mosquitoes."

What you learned, what you did, why it is important, what could be done next.
(maximum 500-800 words).

Note all the text sections should be 12 point type, 1.5 line spacing.

Acknowledgements

Be sure to thank the outreach program that funded your tuitions. For recent MST students, thank the “NASA Space Science Education Consortium”, grant NNX16AP14A.

Mention any special help from folks at Rice University, your school, colleagues.

Your spouse who put up with your late nights, etc.

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1. Purpose and Background

Put here why you did the work, background for the work, etc.

Be sure to reference similar work done by others.

All text 12 point type, 1.5 line spacing.

Use “page break” to end each section (I have given you one at the end of each page here.)

2. Methodology

Put here what you did, what TEKS/ NGSS you used, etc.

If you adapted from other material put that here.

3. Results

Refer to the appendix for the full suite of materials.

If you tested any or all on teachers, put that here.

If you had your materials tested or reviewed by others, put that here.

4. Impact

How will your work help change education / research/ etc...?

If you have already reached students with this, say how many. Have you done any pre/post tests, etc.

If your school will adopt it next year, give the approximate number of students it will reach.

5. Conclusions

Summary of the work (again only 500-800 words)

6. References

(put references in this format):

Reiff, P. H., and C. Sumners, Using planetariums to teach science, *J. Educational Review*, V. 86, pp 305-310, 1998. (DOI: RKL 3849830840.)

NGSS Lead States. 2013. *Next Generation Science Standards: For States, By States*. Washington, DC: The National Academies Press.

7. Relevant Websites

<http://space.rice.edu> - Rice University outreach page

<https://www.nextgenscience.org>, Next Generation Science Standards

<https://tea.texas.gov/academics/curriculum-standards/teks/texas-essential-knowledge-and-skills> - Texas TEKS

8. Appendix

Put all the actual work sheets, etc. here. Also be sure to have a link to a repository for them to download. I can provide if necessary