

Grant\$manship for Educational Projects Perspectives and Strategies

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Activities supported by education grants



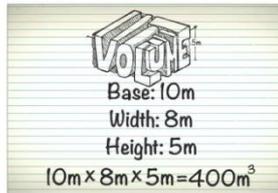
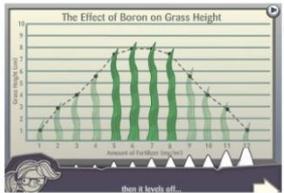
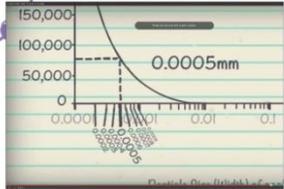
Workshops
Research
Field trips
Outreach
Travel to conferences



Products developed by education grants



Courses
Learning-modules
On-line tools
Demonstrations



Science of Soil  

Retaining Students and Supporting Instruction in Science-Intensive Undergraduate Programs through Innovative Media

[Learning Modules](#) [Production History](#) [Design Process](#) [Findings](#) [About the Project](#)

Learning Modules

The Science of Soil project was created to fill the gaps in Soil and Environmental Science undergraduates' knowledge of key concepts in the classroom. The Science of Soil module suite includes short animations, interactives and live action videos that teach a range of mathematical and Soil and Environmental concepts. The entire suite will be available in Fall of 2013.

Multidimensional Thinking Animation [View Animation](#)



This short animation explores the differences between the first, second, and third dimensions in unit measurement, as well as the importance of correct unit labeling.

- [Production History](#)
- [Learning Guides \(Coming in Fall 2013\)](#)

Scientific Graph Reading Interactive [View Module](#)



This interactive will guide you through a virtual lemonade sweetening experiment that teaches efficiency, deficiency and optimization within dosing curves. Also included in this module is the short Magic of Reading Graphs walkthrough that teaches all the basics of graph reading.

- [Production History](#)
- [Learning Guides \(Coming in Fall 2013\)](#)

The Magic of Reading Graphs [View module](#)



This short walkthrough reviews everything you need to know about graph reading, from the x and y-axis relationship to the importance of labeling.

- [Production History](#)

Philosophy



- Teaching doesn't have to be separate from research, extension, outreach and service
 - 3-fold mission of Land Grant Universities
- Students need to see **applications** of concepts
 - Cutting edge research (OK to *not* know the answer)
 - Solving real world problems
 - Helps them see what's "important"
- ***Integrate*** education into all proposals
- Students want to know about **career** opportunities

Find your passion

- With **good partners**

Don't try to do it all yourself...*there's an app for that*
...or all at once...*break into manageable parts*

- Even with ***small grants***

- What is needed at your university and how can it be ***institutionalized?***

- **Non-traditional** and/or **under-represented** students may benefit from different learning tools and approaches.

Learning the Ropes

- Find a **mentor**
- Volunteer to **review** grant proposals
- Participate in **networking** opportunities
 - Teaching Academy, workshops, brown bag lunches...
 - Make partners in other disciplines
- Attend proposal writing **workshops**
- Serve on college and university **committees**
 - Regulatory (IRB, Health & Safety, budget)
 - Policy driving (Visionary, Leadership training, academic)

How can administration

help?

- Make academic program goals and needs **obvious**
 - Faculty shouldn't have to guess about targets
 - If discouraged → silos, not teams
- Support and encourage **networking** opportunities
 - Teaching Academy, workshops, brown bag lunches...
- Provide **institutional** help
 - Boilerplate documents, budget template, internal reviews
- **Reward** and acknowledge education grants
 - Scholarship of teaching counts toward P & T

Strategies for Writing Competitive Proposals

Part II: Writing Competitive Proposals

Success Lies in the Planning

- Draft a concept summary
- Contact the Program Officer
- Create an outline – follow the RFP sections
- Create a timeline for proposal writing
- Create a draft budget
- Use your whole team (formatting, references, letters of support, logic models, figures, tables...)
- Be ready to jump on RFPs with fleshed out ideas & teams
 - *Turnaround times are often very short!*

Create Reviewer Friendly Text

- Make it **easy for reviewers** to find the key concepts, benefits, and features of your proposal by using graphics and bulleted lists
- Examples of **graphics** might be:

The collage contains five examples of graphics:

- A tree diagram with a root box labeled 'xxx' and two child boxes labeled 'xxx' and 'Xxx'.
- A callout box with 'xxxxxx' inside, with an arrow pointing to another box below it also labeled 'xxxxxx'.
- A checklist with four items, each starting with a checkmark and followed by 'xxxx xxxxx' or 'xxxxxxxxxxx'.
- A table with a light blue header 'Table X' and two columns of placeholder text 'Xxxxxx' and 'xxxxxxx'.
- A photograph of a person looking through a microscope.

- Discuss main points first and then provide details
- Define potentially unfamiliar terms
- Spell out acronyms and abbreviations

Your Proposal Is a Sales Document, Not a Scientific Or Scholarly Paper

Good proposal writing turns the scientific or scholarly model many authors know from their professional experience upside down. Rather than drawing conclusions from an array of details, proposal writing begins with a conclusion and arranges substantiating facts to support it.

Scientific/Scholarly Writing
starts with the details and
subordinates main points.

Proposal Writing
starts with the main point
and subordinates details.

