



5274 Scotts Valley Dr. #204, Scotts Valley, CA 95066
Toll Free 877-395-1001 www.strscopes.com Toll Free Fax 866-991-9591

Realize Science Technology Grant 2010 INSTRUCTIONS

Please read these instructions thoroughly. This is a competitive grant based on the quality/value of your intended use. We are looking for creative, innovative and educationally valuable uses of hand-held video microscopes. From our experience in the use of this equipment, ideas that are not ideally suited for these scopes include: Organelles, Mitosis & Meiosis. Additionally, subjects that have already been thoroughly explored and documented include: Insect analysis, sand (sorting by weathering) and flower parts and function. However if you feel you have a unique perspective on one of these, please feel free to include it in your submission.

APPLICATION: Fill out the attached application form and on a separate sheet of paper include your answers to the five questions listed below. Your completed application should not exceed 3 pages.

1. How do you intend to use the equipment? (See rubric below.)
2. Describe what type of student work, projects or lesson plans you intend to submit after using the microscopes?
3. Which Department, Class & Grade Level do you intend to use the microscopes with?
4. Do currently own any hand-held video microscopes? ___Yes ___No
5. Have you ever used hand-held video microscopes in your classes? ___Yes ___No

The final recipients of this grant are required to submit information, after receipt and use of the equipment, which may be shared with other teachers and educators to advance the use of this microscope technology in the classroom. Acceptable examples include: lesson plans, testimonials, anecdotal stories and student made work such as drawings, writings, pictures, movies, presentations, multimedia, reports, etc. For those who are awarded the grant the deadline for materials is December 31, 2010.

RUBRIC: The highest scores will be given to the applications with the following criteria for the intended use of the equipment:

- Has high expectation of student learning as a direct result of using the scope
- Use of scope creates increased real-world connections for students
- Lesson goal aimed to improve student understanding of a big idea (or gives State's Standards)
- Scope is the key element/main equipment for successfully teaching the lesson
- Demonstrates full comprehension of lesson objective/goal
- Student work demonstrates *student* use of microscope is integral to achieving lesson objective/goal
- Demonstrates strong integration with other subjects (e.g. math, art, language, history, etc.)
- Easy to replicate (in a similar environment), having a lesson plan that is easy for any teacher to follow
- Well thought out lesson that includes:
 - Clearly identifies teacher and student roles (activities)
 - Lesson can be taught with different numbers of available computers (accessible for many teachers)
 - Clearly identifies a student product
 - Includes student summative assessment
 - Includes ideas for formative assessments
 - Very appropriate for the grades levels it is designed to address

DEADLINE: Applications must be postmarked by March 31, 2010 or faxed by midnight on that date.

Mail or fax the completed application form and answer pages to STR Grant Coordinator, 5274 Scotts Valley Dr. #204, Scotts Valley, CA 95066 / Fax to 831-430-9806 (no cover sheet necessary).

(STR Use)
Date Rec'd: _____
Entered: _____
Category: _____
Final Rating: _____



school & science technology resources
KNOWLEDGE IN HAND

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Realize Science Technology Grant 2010 Application Form

Name _____ Title _____

Phone _____ Fax _____ Email _____

School _____

District _____

Address _____

City _____ State _____ Zip _____

Please submit your answers to the questions below on a separate sheet of paper. Answers should not exceed 3 pages.

1. How do you intend to use the equipment?
2. Describe what type of student work, projects or lesson plans you intend to submit after using the microscopes?
3. Which Department, Class & Grade Level do you intend to use the microscopes with?
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5. Have you ever used hand-held video microscopes in your classes? ___Yes ___No

Application deadline is March 31, 2010. Notification of grant awards will be sent by April 15, 2010.

**By signing below, you are agreeing to the terms and obligations stated in the application instructions.
 The deadline for submissions of lesson/project work is December 31, 2010.**

Signature: _____ **Title** _____

Printed Name: _____ **Date** _____

Mail or fax this completed form along with your submission to STR Grant Coordinator, 5274 Scotts Valley Dr. #204, Scotts Valley, CA 95066 / Fax to 831-430-9806 (no cover sheet necessary).