

Excellence in Biotechnology Education



About *GetBiotechSmart.com*

GetBiotechSmart.com is an interactive curriculum about the science behind biotechnology. Sponsored by the United Soybean Board, the curriculum meets national science standards and is designed to be integrated into current middle and high school classrooms. With its mission of “providing students with the opportunity to learn science through doing science,” the *GetBiotechSmart.com* curriculum provides teachers with the tools required to develop student potential.

The *GetBiotechSmart.com* sponsoring organization, the United Soybean Board (USB), is dedicated to helping the American soybean farmer succeed in the field and in the agricultural marketplace. Through a group of 68 volunteer farmer-leaders, U.S. soybean farmers invest hundreds of millions in their own national and state checkoff programs to help meet the most important food needs of a growing global population. U.S. soybean farmers remain committed to meeting the future food needs of our country and the world both now and in the future. These volunteer efforts help individual growers by creating new market connections and opportunities through continued research and market promotions.

As part of a long-term working relationship, The United Soybean Board has engaged the support of Adayana to execute day-to-day operations of *GetBiotechSmart.com*. Adayana develops educational materials and manages the *GetBiotechSmart.com* website on behalf of the United Soybean Board. Adayana is a learning & development and management consulting firm with more than 30 years of experience accelerating the success of their clients.

Grant Overview

The Excellence in Biotechnology Education program will help science teachers purchase materials and equipment to enhance biotechnology education within the school and/or school district.

Through a competitive grant process, teachers must develop innovative project ideas that enhance student’s understanding of biotechnology. Two (2) grants, each for \$5,000, will be awarded to eligible middle and high school science teachers residing within the 50 United States and U.S. territories. One (1) middle school teacher and one (1) high school teacher will be selected to receive a grant. Additionally, at least two (2) applicants in each category will receive an Honorable Mention certificate. Each winning teacher will receive an all-expense paid trip to the 2011 National Science Teachers Association Conference in San Francisco, March 10-13, 2011. At the conference, the winning teachers will be honored at a dinner and presented with a plaque. In addition, grant winners will present a mini workshop in the booth to explain how they plan to incorporate biotech curriculum into their classroom.



Criteria

All grants must be used to purchase materials and equipment to enhance biotechnology education within the school and/or school district. Teachers can only submit one (1) originally created proposal. Grants dollars will be awarded to schools only and not individuals. Therefore, it is desirable that submitting teachers commit to maintaining a science teaching capacity at 80% in the following school year. Submission of proposals can include, but are not limited to:

- Innovative curriculum integration ideas
- Multiple disciplinary participation
- Investigative biotechnology research
- Partnership with local community and/or industry
- Solving a scientific inquiry about biotechnology

Eligibility

The Excellence in Biotechnology Education program is open to middle and high school science teachers residing within the 50 United States and U.S. territories. To be eligible, teachers must have at least two (2) years of science teaching experience in a 6th – 12th grade school, not including the current school year. For purposes of the grant award, grades 6 – 8 shall be considered middle school, while grades 9 – 12 shall be considered high school. Submitting teachers must commit to maintaining a science teaching capacity at 80% in the following school year. Eligible applications must complete all appropriate sections of the application. Members or family members of the United Soybean Board or Adayana are not eligible.

Deadlines

Applications can be sent via email to rkim@adayana.com or mailed to *GetBiotechSmart.com* C/O Adayana, 3905 Vincennes Road, Suite 402, Indianapolis, IN 46268. Applications must be emailed or postmarked by **November 12, 2010**. Grants recipients will be notified by January 4, 2010. Grant checks are made payable to the winning school and cannot be transferred should the teacher change schools or leave the district. *GetBiotechSmart.com* is not obligated to reissue grant checks that have expired.

Recognition

Each winning teacher will also receive an all-expense paid trip to the 2011 National Science Teachers Association Conference in San Francisco, California, March 10-13, 2011. At the conference, each winning teacher will be honored at a dinner and presented with a plaque. In addition, the winning teachers will be asked to present a mini workshop in the booth related to how they will incorporate biotech curriculum into their classroom. The teachers will also be recognized in the booth to highlight their achievements and to help other teachers understand how they can incorporate biotechnology into the classroom. Finally, award winners will be listed on *GetBiotechSmart.com*.



Application Cover Sheet

Please submit this form with your proposal.

Name: _____

School Name: _____

School Fax: _____

Telephone: _____

E-mail: _____

Mailing Address: _____

Position/grade(s) taught: _____

Principal's Name: _____

U.S. School Federal Tax ID#: _____

Applications can be sent via email to rkim@adayana.com or mailed to:

GetBiotechSmart.com

C/O Adayana

3905 Vincennes Road, Suite 402

Indianapolis, IN 46268

Proposal Submission Agreement by Applicant

By signing below, you agree that your proposal meets all eligibility and criteria requirements and that you are in full agreement with the rights and obligations of applicant-teachers as described in this document. In addition, applicant agrees and has understood the Intellectual Property Rights Notice ("IPR Notice") as reproduced below, and confirms that the proposed biotechnology project to be submitted by applicant will be strictly in compliance with the terms and conditions of the IPR Notice.

Print Name: _____

Signature: _____



Proposal Submission Agreement by School

By signing below, you agree, as principal of the below-named school, that the school will fully cooperate with the applicant in performing the obligations of the applicant as described in this Agreement, in the event the applicant is selected to receive a grant. This obligation of the school includes the obligation to use the \$5,000 grant money for the sole and exclusive purpose of the applicant's winning biotechnology project.

Print name of School: _____

Print name of Principal: _____

Signature of Principal: _____

Intellectual Property Rights Notice

(1) The applicant represents and warrants that all materials submitted by the applicant to the United Soybean Board, Adayana or to The *GetBiotechSmart.com*, including all images, photographs, graphics, sound, music, videos, texts, software and other materials ("Materials") to be included in applicant's proposed biotechnology project may be protected under copyright or other intellectual property rights laws, and the applicant warrants that applicant has all rights to use Materials and that such use is in accordance with applicable laws.

(2) Applicant does hereby grant to the United Soybean Board, *GetBiotechSmart.com* and Adayana a world-wide, irrevocable, royalty-free, non-exclusive license to use the Materials in their respective business operations, and applicant warrants that applicant has all rights from relevant third parties to license the use of the Materials to the United Soybean Board, Adayana and/or to *GetBiotechSmart.com*.

(3) Applicant shall defend, indemnify, and hold harmless the United Soybean Board, Adayana and The *GetBiotechSmart.com* and their respective officers, directors, employees and agents from and against any and all third party claims and liabilities, assessments, losses, costs and damages resulting from or arising out of applicant's (a) failure to comply with the terms and conditions of this Intellectual Property Rights Notice or (b) infringement or violation of any intellectual property rights of any third party.



2010 Excellence in Biotechnology Education Awards Application

Proposal Summary (250 words)

Provide the evaluation committee the key points of the proposal.

- (a) Indicate the nature of the instructional problem or issues you are trying to enhance or correct
- (b) Describe the overall objectives of your project
- (c) Explain how the materials you will purchase supports the objective
- (d) Explain how you will implement the project
- (e) Describe how you will evaluate the success of the project

Instructional Objectives (300 words)

Discuss the goals or objectives of the project.

- (a) Identify the key problem or issues you are trying to enhance or correct
- (b) Describe the anticipated instructional learning objectives and educational benefits
- (c) Explain how the project will effect student motivation, retention, and increase skill sets

Project Description (two pages)

Describe the nature or details of the project.

- (a) Identify the rationale or justification why this project is important
- (b) Explain the key components of the project
- (c) Describe how the scientific process and inquiry learning will be used
- (d) Indicate how the project impact the school's mission

Evaluation Criteria (one page)

Explain the activities that will assess whether the project meets the objectives.

- (a) Indicate how student learning will be measured
- (b) Describe how you will assess whether the learnings have translated to an increase in student skills

Implementation Plan (one page)

Explains *how* the project will move to fruition.

- (a) Indicate the timeline for key milestones
- (b) Identify who is responsible for each task
- (c) Describe your contingency plan if the project moves "off track"



Budget (one page)

Provide a breakdown of the projects' budgetary requirements.

- (a) Provide an itemized budget for the materials you will be purchasing
- (b) Discuss how the required items will support your objectives, solves your instructional problem or issue, and will enhance biotechnology education
- (c) If applicable, discuss any outside funding sources and their role in the project

Professional Profile (one page)

Explain your personal and professional experiences.

- (a) Provide a summary of your personal and professional experiences
- (b) Explain how these experiences enable you to carry out the project and enhance student achievement