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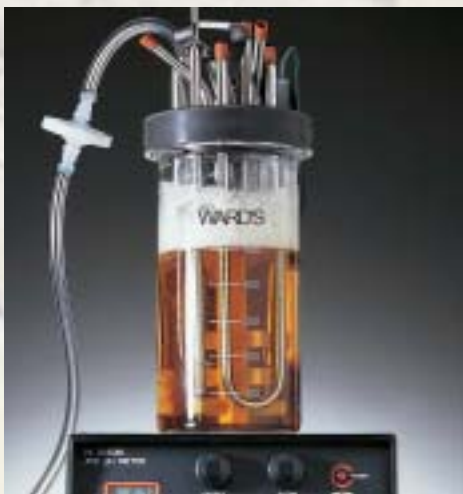
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WHAT



Ward's Natural Science recognizes that schools are continually being charged to do more and more with less and less. Ward's is committed to helping you meet the needs of your students by finding innovative ways of providing quality, cutting-edge science equipment plus the training for your teachers to effectively utilize the equipment. ♦

Ward's, in partnership with Distance Education Consultants (DEC) offers a remarkable opportunity for school districts. Each state provides a yearly competition for the 21st Century Community Learning Centers (CCLC) – a grant to provide support for outside-regular-school-day activities (before school, after school, Saturdays, summers, etc.). ♦



is the Ward's Pathway to Proficiency Program?

Ward's Natural Science and DEC, an experienced and successful team of grant writers, will significantly increase the chances of your school system to win a CCLC grant. At the same time, they will relieve the school system of the burden of having to dedicate time, resources and personnel to writing the grant. ♦

Ward's will provide the Science component of your CCLC Grant (hardware, technology, supplies, equipment and curriculum kits plus any necessary professional development). Distance Education Consultants will provide an online Virtual Tutor History component for your school system and write the actual grant for the school system. You will determine the other components of your grant based on the needs of your school system. The Ward's Science

component and DEC Virtual Tutor component will each use 10% values of your total funded grant, leaving 80% to cover other topics of your choice and to cover all miscellaneous costs. ♦

All miscellaneous or extra costs from staffing, training, busing needs, after-school snacks, etc. are included or written into the grant. There is no direct cost to the school system and, in fact, the school system can typically designate up to 5% of the grant funds (varies by state) for administrative costs to oversee the program. ♦



Another benefit is that the materials obtained through the CCLC Grant can be used during the regular school day in addition to being used in your CCLC Program. ♦

W H A T



Ward's offers a full array of science equipment, supplies, materials, technology and all-inclusive, curricular kits. ♦



Forensic Science

This is probably the hottest topic available for teachers to engage their students in science. More and more students, and their parents, are watching more and more TV shows that have a forensic science theme. Lab activities have extra emphasis and meaning when the results are used to solve a "crime" or "mystery." Most Ward's Forensic Science kits are designed to integrate science

science components are available from Ward's?

with math and English by having students solve problems and then report their findings to a "court" or district attorney. ♦

Forensic Science can be used to teach almost any regularly covered science topic in an interesting and exciting manner. A sampling of Ward's Forensic Science kits include fingerprint analysis, DNA fingerprinting, trace evidence (hair and fibers), footprint analysis, lip print analysis, lipstick chromatography, bone analysis, blood typing, blood spatter, broken glass analysis, tire tread analysis, art forgery, document analysis, dental impressions, analysis of minerals and soil, toxicology, microbes, entomology, plus all the equipment necessary to collect and analyze crime scene evidence. ♦

Advanced Placement Biology

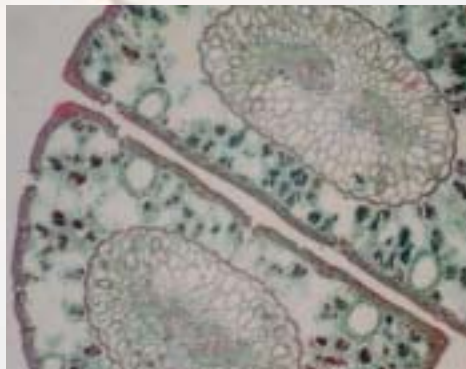
Ward's has long been the leader in providing the tools needed to teach AP Biology and provides all the supplies and equipment needed to teach the required labs as well as alternate labs. Additionally, Ward's recently set up partnerships with Vernier Software and Technology, and Texas Instruments to package AP Bio labs for cutting-edge analysis and measurement using probeware and sensors. ♦



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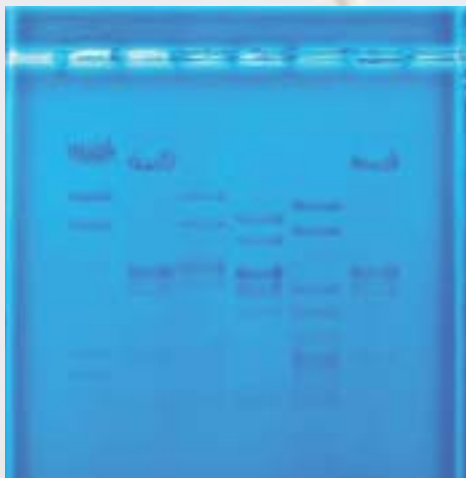


science components are available from Ward's?



Biotechnology

Biotech continues to be an exciting field in science and represents a significant growth area for jobs. Ward's will supply the equipment and training for your teachers to provide students the ability to investigate the structure and function of DNA and perform electrophoresis, transformation, and polymerase chain reaction (PCR) experiments. ♦



Technology

Ward's will help you integrate technology into your classrooms and help your students master today's cutting-edge science. Examples of these tools include: digital microscopes, electrophoresis equipment, thermal cyclers for PCR, Vernier probeware and sensors (for faster, more accurate measurement and analysis of lab activities), software programs, GPS systems. ♦

Environmental Science

Students can learn how to evaluate how humans interact and affect our environment. Ward's has all the equipment, supplies, and kits to research and study the air, soil and water. ♦

Agricultural Science

Ward's recognizes how today's agriculturists utilize computers, software, GPS systems, biotechnology, probeware and sensors, and can meet all your needs in this area. In addition, Ward's can supply the living and preserved specimens needed for your students to study. And Ward's is one of the largest suppliers of educational models of organisms and structures. ♦

Digital Microscopy

Digital Microscopy is an exciting way that you can integrate technology into your classroom. View microscopic images with your students on a computer screen or other visual output device as well as capture still images. You can precisely analyze still images by measuring length, area, and perimeter precisely at microscopic scale. Capture videos for use in presentations and student projects. Even capture images at set, predetermined intervals to expand your lab time. ♦



SYNOPSIS



Need

Far too many students don't do well in American history. A glance at the National Assessment of Educational Progress (NAEP) test, reveals terrible results. NAEP measures the U.S. history knowledge and skills of fourth-, eighth-, and twelfth-grade students – and they are not doing well. Students' performance on the assessment is described in terms of the percentage of students attaining three achievement levels: **Basic**, **Proficient**, and **Advanced**. In 2001, NAEP administered the U.S. history assessment to approximately 29,000 students. Results of the assessment show that only 18% of fourth-graders, 17% of eighth-graders, and 11% of twelfth-graders perform at or above the **Proficient** level – identified as the level at which all students should perform. (<http://nces.ed.gov/nationsreportcard/pubs/main2001/2002483.asp>). ♦

History is a challenging subject for many students. They often dislike the subject. If they aren't good readers or are not English speakers, they may have trouble learning the material. ♦

In today's frightening world, it is increasingly important for schools to graduate educated citizens who understand and appreciate the foundations upon which our nation is built. ♦

of “The Virtual Tutor” History Program from Distance Education Consultants

An alternative to textbook- and lecture-based American history is needed. ♦

Solution

Distance Education Consultants has created an online approach to American history – the Virtual Tutor, that supplements and reinforces the regular curriculum. Used in an after-school program, the Virtual Tutor meets the 21st Century grant requirement to provide academic support during the out-of-school hours. It also meets the demands for enrichment. ♦

The Virtual Tutor has the advantage of operating on the computer. Therefore, less expensive teacher time is needed.

The Virtual Tutor consists of three parts: **History World**, **History Days**, and **History Adventure**:

History World is an amazing 3D website on the Internet – a “virtual world.” Students can meet here with history experts or other students from distant sites. Everybody communicates through chat. History World lends itself magnificently to historical simulations, where students “meet” people from the past.

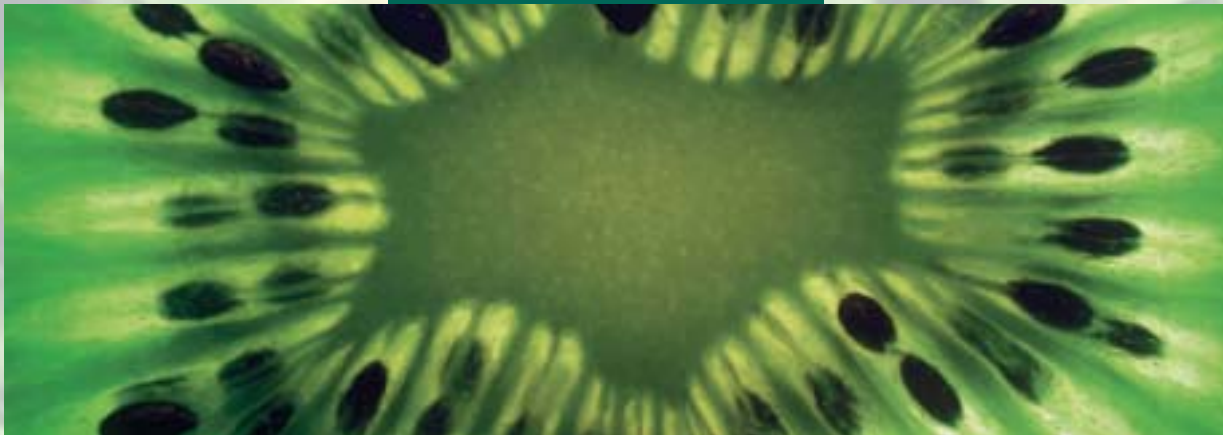
History Days is a series of 3D museums that students move through, and learn from pictures on the walls and lessons that summarize the scope of American history.

History Adventure – the students see it as a highly motivational game, but this computer-based assessment system tracks what students know and don't know and reports that information to teachers.

In addition to the student software, an **Activities Guide** is available for teachers. It is replete with ideas for activities to make history come alive for students.

See the Distance Education Consultants website at www.distanceeducationconsultants.com for more information. ♦

W H A T



Benefits of Ward's Pathway to Proficiency Program to School Districts

In exchange for 10% of the total allocated funds from the grant, Ward's will provide the equivalent amount of product. In addition, Ward's will provide product training at no additional cost. ♦

Both academic support and enrichment activities are encouraged. The **Virtual Tutor** meets both requirements. ♦

Distance Education Consultant's business plan involves writing grant proposals for school districts free-of-charge in exchange for 10% of grant funds going toward the **Virtual Tutor** – if the grant is funded. DEC carries all the risk. ♦

advantages
does the
Ward's
Pathway to
Proficiency
Program
have for
your school
district?

Ward's Natural Science will coordinate the grant writers with the superintendent and teachers from the school districts involved. ♦

The grant writers at Distance Education Consultants are very qualified – and very successful. They will work closely with your district to develop a grant program that meets your district's individual needs. And remember, 80% of the grant funds (10% goes to DEC and 10% to Ward's) will be organized in a specific manner that both meets the funding source's requirements and your district's needs. In addition, another wonderful benefit is that your district will receive Ward's science supplies and the Virtual Tutor. ♦

Ward's will provide free technical support for science materials purchased through the grant. ♦

W H A T



Benefits of Ward's Pathway to Proficiency Program to Districts

Obtain professional development and training to help your teachers reach and maintain “highly qualified” status.

Obtain needed science equipment, supplies, and materials.

Obtain technology hardware.

Provide cutting-edge science to your students.

Prepare your students for higher achievement on science assessment.



advantages does the Ward's Pathway to Proficiency Program have for your school district?

This is truly a win-win situation for the school district, the community, the companies involved and most importantly, your students!

Prepare your students for better jobs.

Better involve your schools with their communities.

Reach out to low-achieving students and provide extra learning opportunities for them.

Provide for better public relations with your community.

If the grant does not get funded, you have lost nothing.

If the grant is funded, you will have gained up to one million dollars in products, services, and programs with no time or money invested.



W H A T



does the
school district
need to do?

Timing... is critical.

1. First an Educator or Principal can contact their state department of education (contacts and email addresses provided) to obtain the closing date for their state's CCLC grant at the beginning of each school year or as soon as possible.
2. The process of determining the science, history and other after school needs (see school assessment form provided) needs to be started a minimum of 60 days in advance for the grant writers of Distance Education Consultants to produce the highest quality grant proposals.
3. Grant program requirements will ultimately need to be coordinated and communicated to the Superintendent.
4. The Superintendent must sign both Memorandum of Understanding documents with Ward's Natural Science and Distance Education Consultants.
5. The School or District will need to designate a primary contact. This person will provide school information and answer specific questions about school needs in a timely manner for Distance Education Consultants to write the CCLC grant.

