



**SOUTHERN WESTCHESTER BOCES
SCHOOL LIBRARY SYSTEM**

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MEDIA SERVICES OFFERINGS AND PRICES

CoSer 511

2016-2017

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Discovery Education

Discovery Education streaming brings your educators access to over 100,000 multi-media assets, including over 45,500 concept specific video clips, all designed for easy integration into curriculum and correlated to state standards. In addition, De streaming includes student access, as well as quizzes, a full encyclopedia, educational songs, audio files, over 20,000 high quality images, and many more instructional resources. Discovery Education Streaming is the only digital video-based learning resource scientifically proven to increase student achievement.

Discovery Education streaming Plus adds to the digital assets of Discovery Education streaming and features a collection of more than 150,000 of the newest learning objects, including:

- 10,000 Math Overviews and 1,000 Explanations (Narrated by real Teachers!)
- Access 1000s of self paced tutorials that explain mathematics concepts from Addition - Calculus
- 500 interactive games and skill builders for Mathematics and Language Arts
- 500 PBS titles ranging from Ken Burn's Lewis & Clark: The Journey of the Corps of Discovery to NOVA: Life's Greatest Miracle
- 2,000 Clearvue & SVE curriculum base videos including titles from Weston Woods, Globe Trekker, and more.
- 2,900 Audio featuring famous speeches and foreign language instruction
- 1,200 titles from AIMS Multimedia, popular titles include Cyberchase Series, Teen Files, and Real World Science
- Teacher Edition of Discovery Channel's eleven-part follow-up series to Planet Earth - Life. Life includes supporting instructional materials made for teachers

Discovery Education Science helps educators engage young minds with inquiry based learning, while reinforcing important literacy and mathematics skills. Features:

- Address multiple learning styles through leveled reading passages, e-books, fundamentals, and engaging video segments
- Help students learn to interpret data, draw conclusions supported by this data, and practice important math skills with Virtual Labs and Explorations
- Track students' understanding with online selected response assessments or Brief Constructed Responses (BCR), which includes teacher scoring tools

Developed by a content source you can trust, **Discovery Education Health** is a comprehensive health and prevention library that addresses the needs of the *whole* student. It delivers dynamic, up-to-date, high-quality content in a flexible online format that will bring your curriculum to life and powerfully engage today’s technology-savvy students. It features:

- Nine key topic areas (Physical Activity, Mental Health, Alcohol and Other Drugs, Violence, Safety, Nutrition, Tobacco, the Body, and Growth and Development).
- 16 full-curriculum programs
- 400+ chaptered videos
- Hundreds of lessons plans
- Literacy strategies proven to increase reading comprehension
- Teacher Center, a one-stop shop for curriculum and health-program resources
- Professional development, training, and health integration resources

New enhancements to Discovery Education Health that come with your school's subscription include an easier-to-use Web interface with simplified site navigation as well as extraordinary new multimedia resources such as puzzles and e-books. Expanded professional development and training resources will help you take advantage of the benefits of Discovery Education Health with complete confidence. Discovery Education Health will help you:

- Bring subjects to life for students
- Facilitate discussions
- Address multiple learning styles

COSTS:

BASIC

K-8 DE Streaming Basic.....	\$1,546
9-12 DE Streaming Basic	\$2,081
DE Streaming Basic (per student for districts purchases only)	\$2.94

PLUS

K-8 DE Streaming Plus.....	\$2,492
K-12 or 9-12 DE Streaming Plus	\$2,990
DE Streaming Plus (per student for district purchases only)	\$4.40

Plus Pack Upgrade	\$936
Plus Pack per student (district-wide purchase only).....	\$1.75

Science

K-8	\$1,893
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DE Health.....	\$1,593
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Defined Learning

Defined STEM is Defined Learning’s solution for providing real world relevance to students. Defined STEM is a web-based application designed to promote effective and relevant connections between STEM classroom content and STEM career pathways, thus providing learning opportunities for students. Defined STEM provides teachers a resource where they can access highly effective media content and related support materials. These resources and materials allow teachers to connect STEM career awareness to existing lessons and standard-based curriculum.

Our goal with “Performance Tasks” is to help the students see the relevance and the cross curricular nature and applications in the science and math areas. The performance task also creates a project based environment to the classroom where the students are collaborating and presenting as a team.

There are over 1,000 connections in Defined STEM. A Connection is a self contained unit which helps the teacher demonstrate relevance to their students through real world applications.

- Careers based video that show individuals in their daily routine and demonstrates the importance of math and science
- Objectives and guiding questions for the teachers to utilize
- “Performance Tasks” that create a project based environment for the classroom where students are challenged to solve a situation using a multidisciplinary approach.

Defined STEM offers over 1,000 video-based learning connections to stimulate student interest in STEM careers. Each connection has instant access to subject recommendations, lesson plans, related websites, teacher guides, state standards and a powerful cross-curricular search function. The students will gain perspective on how lessons learned today will help them not only in school but with their career choices as well. The teacher will have the content presented to them in a manner that will help inspire the class. The content will reside in a self-contained environment that will help the teacher, without impacting his or her workload or taking the teacher off task.

COST:

Elementary/Middle Schools: \$2,787

High Schools: \$3,307

JoVE

JoVE, the Journal of Visualized Experiments, is the world's first peer reviewed scientific video journal. Devoted to publishing scientific research in a visual format to help researchers overcome two of the biggest challenges facing the scientific research community today; poor reproducibility and the time and labor intensive nature of learning new experimental techniques.

JoVe Science Education, the revolutionary video database dedicated to teaching laboratory fundamentals through simple, easy to understand video demonstrations.

Basic BiologyThis premier collection exhibits how to use standard pieces of laboratory equipment essential in many experiments, as well as how to perform basic laboratory functions. Each video is paired with additional video resources for you to view practical applications of the technique and other complementary skills.

Advanced BiologyJoVE's fifth Science Education collection provides an introduction to the field of neuroscience. These videos offer a glimpse of neuroscience at the practical and professional level, through an exploration of five major branches of study: neurophysiology, neuroanatomy, cell and molecular neuroscience, behavioral neuroscience, and developmental neuroscience. In addition to presenting the key questions asked by scientists from these subfields, the collection describes some of the most prominent methods used by today's most brainy researchers while making exciting discoveries regarding nervous system function.

PsychologyBehavior is a complex phenomenon and scientists are trying to decode the neural mechanisms by which our systems produce and are affected by behavior. JoVE's seventh Science Education collection presents the fundamentals of behavior neuroscience. This collection is subdivided on the basis of different aspects of human behavior such as learning, memory, cognition, movement, addiction and behavioral disorders. The videos briefly explain the neurobiology of behavior, discuss concepts behind prominent techniques, introduce important questions being asked by scientists and provide protocols to run behavioral experiments.

Environmental SciencesThe twelfth collection of the JoVE Science Education series utilizes an interdisciplinary approach to exploring and evaluating environmental systems. This collection provides a framework for understanding and studying key aspects of the environment and for identifying and measuring environmental phenomena. These videos enable the viewer to look deeper into environmental issues by highlighting important topics ranging from soil and water contaminants and invasive species to alternative energy and forestry

ChemistryThe JoVE General Chemistry collection has three main goals: to showcase basic chemistry lab techniques, demonstrate commonly used equipment, and explore the theory behind fundamental methodology. Videos highlight practical topics, such as an introduction to common glassware, as well as the conceptual, like the experimental demonstration of the ideal gas law. As a whole, this collection provides the student with a solid foundation in General Chemistry to take forward into the laboratory.

COST:

Science Education (all five volumes)	\$3,375 per building
Each volume	\$1,070 per building per volume

NBC Learn

For more than 80 years, NBC News has been documenting the people, places, and events that shape our world. NBC Learn, the educational arm of NBC News, is dedicated to making these historic stories, images and primary source documents available on-demand to teachers, students, and parents.

NBC Learn has already digitized more than 12,000 stories from the NBC News archives — one of the largest news archives in the world, dating back to the 1920s. In addition, collections are updated with current events every day, Monday through Friday, with stories from such celebrated programs as NBC Nightly News, the TODAY show, Meet the Press, Dateline NBC, as well as the networks of MSNBC, CNBC, and Telemundo.

NBC Learn is staffed by veteran NBC News producers, who have created scores of original stories and Town Hall events around the country, in partnership with the National Science Foundation, the Kellogg Foundation, and others. These include such award-winning collections as *Chemistry Now*, *Changing Planet*, *Science of NFL Football*, *Science of the Winter Olympic Games*, and *Finishing the Dream*.

Our original videos and archival news stories are correlated to state standards and the Common Core, and aligned to more than 25 K-12 and 30 Higher Ed collections. Videos are generally short — less than six minutes in length — enabling instructors to engage and enlighten their students without wasting precious class time. Yet these brief videos are full stories, with a beginning, middle and end, reported by some of the most famous journalists in broadcast history, including John Chancellor, Tom Brokaw, Tim Russert, Brian Williams, and many others.

To deliver these stories in a safe, collaborative online learning environment, NBC Learn has developed the most advanced media player in existence. Called a Cue Card™, the player supports videos, photographs, newspaper articles, primary source documents, and other media. It is “flippable,” providing bibliographic information, clickable keywords and a citation generator on the back, a full transcript along the side, and additional tabs along the bottom that let users annotate each resource with their own research notes, and to save it to personal play lists. The Cue Card offers a closed captioning option and can easily be shared on the Internet or by email.

The collections of NBC Learn are available through Internet streaming or for via download. They are also accessible as a stand-alone resource or as a Blackboard building block, which allows users to embed videos directly into Blackboard learning management systems.

COSTS:

Elementary School: \$699

Middle/Alternative School: \$999

High School: \$1,250

Visual Learning

Visual Learning Systems is offering four different video streaming databases that cover the K-12 science curriculum. Each includes: science videos, clips, animations, images, assessments, student activities and teacher's guides. Each unit of study provides visual teaching tools that include a week's worth of lessons. Content is aligned to New York State science standards and the Next Generation Science Standards.

Digital Science Online Elementary Edition (Grades K-5)

- 136 grade-specific units of study meet New York states science standards.
- Annual subscription to a comprehensive collection of rich visual science teaching tools.
- 24/7 school and home access Visual Learning Systems' vast science media library of videos, animations, images, and activities. English edition.

Digital Science Online Secondary Edition (Grades 6-12)

- 125 grade-specific units of study meet New York states science standards.
- Annual subscription to a comprehensive collection of rich visual science teaching tools.
- 24/7 school and home access Visual Learning Systems' vast science media library of videos, animations, images, and activities. English edition.

Ciencias en español (Grades K-2)

- 64 units of study in both Spanish and English are specifically designed for ELL, ESL, Dual Language and Immersion Programs.
- Units include videos, images, and accompanying teacher's guide and student pages; provides a week's worth of instructional activities.
- Switch between Spanish and English at your convenience.

Ciencias en español (Grades 3-5)

- 35 Units of study in both Spanish and English are specifically designed for ELL, ESL, Dual Language and Immersion Programs.
- Units include videos, images, and accompanying teacher's guide and student pages; provides a week's worth of instructional activities.
- Switch between Spanish and English at your convenience.

COST:

Annual subscription. Pricing based on student population.

\$0.96 per student/per edition or (\$324 minimum per edition)

(cost is the same for either elementary, secondary, Ciencias K-2, or 3-5)