



Technology in Alexandria Township School District

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- 
- Kids Today
 - Teachers Today



ALEXANDRIA TOWNSHIP TECHNOLOGY CURRICULUM PHILOSOPHY STATEMENT

Infuse technology into all curriculum areas in order to enhance student learning and to prepare students for a global, technology-based 21st Century environment.



How do we achieve this vision?

1. The Technology Curriculum must:
 - ENRICH the academic development of students
 - Be seamlessly integrated
 - Expose students to the use of computer applications and tools to
 - conduct research
 - solve problems
 - achieve goals
 - produce products.
 - Provide students the ability to transfer technological skills learned to new experiences in order to reach solutions.
2. Students will utilize technology to organize, synthesize and evaluate information for lifelong learning.

How will we know we have achieved this vision?

- When students become independent users of technology to

- Solve problems
- Communicate
- Create

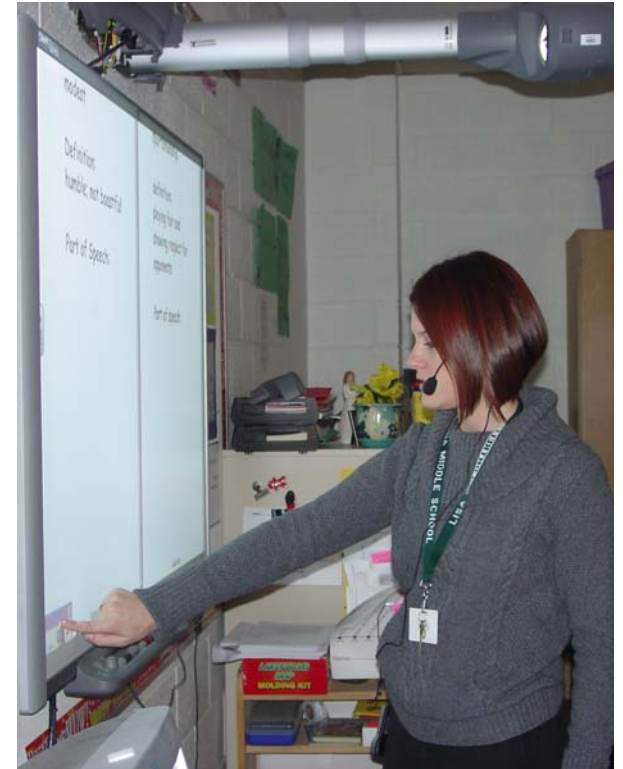
- When we provide a collaborative, active learning environment in all curriculum areas that effectively implement technology.

- When students achieve technology benchmarks (4th & 8th grades)



What Equipment Do We Have at AMS?

- 13 Smartboards
- Projectors
- 1 Laptop Cart (25 laptops)
- Computer Lab available 5/7 periods
- Laptops & workstations in library
- 12 Sound systems
- 3-4 Computers in every classroom
- Morning Show production equipment
- Digital Cameras, Scanners, Poster Maker



What Equipment Do We Have At LDW?

- 6 SMARTBoards
- Projectors
- 2-3 Computers in each classroom
- Computer Lab Available for Enrichment Classes
- 4 Sound Systems
- Morning Show Production Equipment
- Digital Cameras



What Are We Doing
Now?

What Are Our Students Doing?

- AMS School Goal: Every student in grades 5-8 will create a technology product that includes all content areas.
- Eighty percent of each grade level will gain an understanding and meet a level 3 on the LoTi Rubric.
- Students will show a variety of technology uses to achieve the end product.





6th Grade

- Sandy Hook Interdisciplinary Unit

7th Grade

■ Mystery Illness Interdisciplinary Unit

You are an Infectious Disease Investigator! Solve the Mystery Illness!

A Mysterious Illness has broken out in Alexandria and you have been called upon to solve it!

STEP 1: Read the information we have so far about the illness. You will be getting more information as the disease progresses.

STEP 2: With your group, research your assigned illness so that you can compare it with the mystery illness. Your job as an ID Investigator is to determine if your assigned illness IS the Mystery Illness. Use the next page to guide your research.

<http://familydoctor.org/online/famdocen/home/common/infections.html>

<http://www.mayoclinic.com/health/infectious-disease/ID00024>

<http://www.cdc.gov/ncidod/dbmd/diseaseinfo/default.htm>

<http://www.merck.com/mmpe/sec14.html>

STEP 3: Assemble your research into a 11-13 slide Power Point Presentation to present to the Medical Board.



Lyme's Disease

Recent cases

- http://underourskin.com/blog/wp-content/uploads/2008/10/lyme_cases-2007.jpg
- http://roguepundit.typepad.com/photos/uncategorized/2007/09/22/lymediseaserisk_2.gif
- http://www.phac-aspc.gc.ca/publicat/ccdr-rmtc/06vol32/images/cdr3221_f2.gif

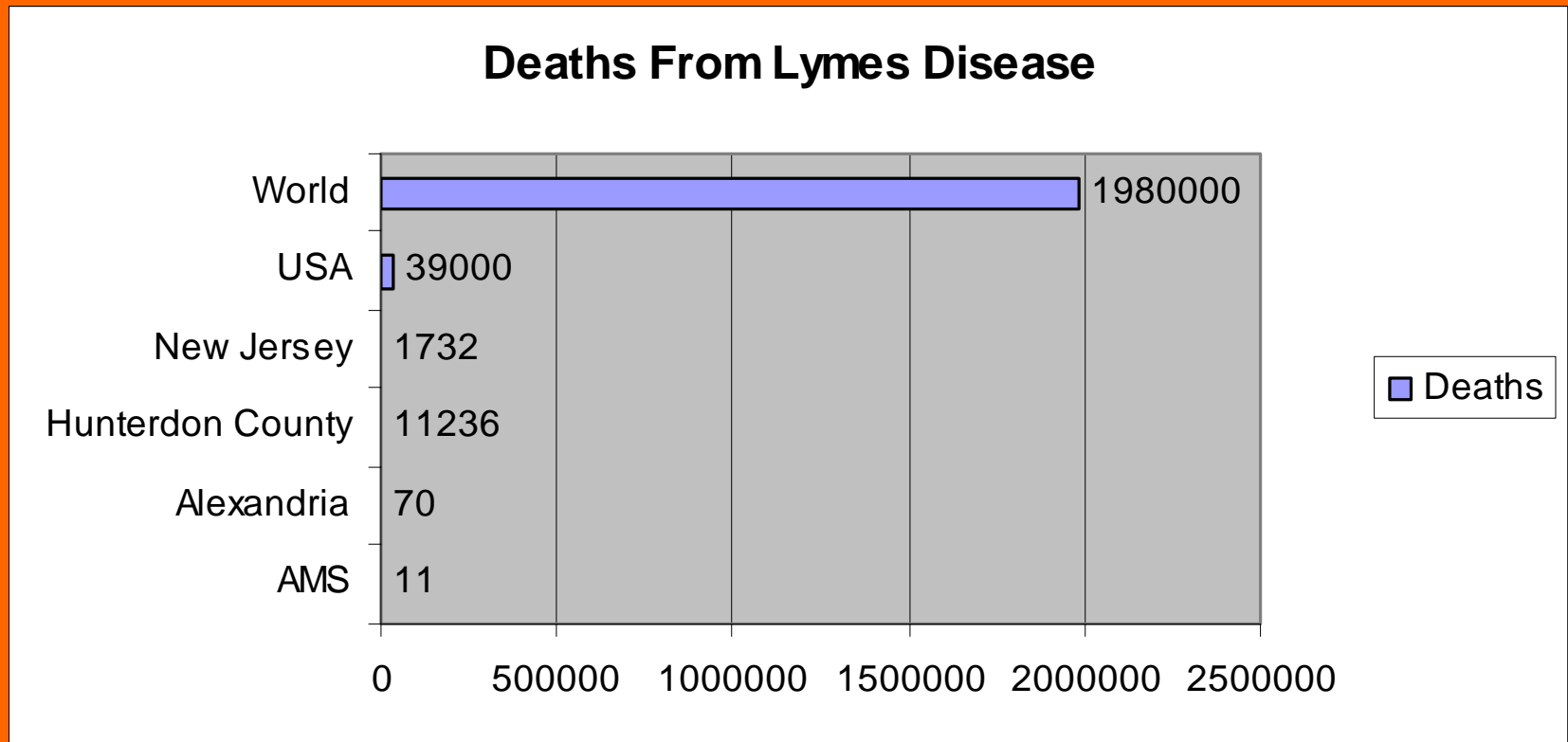
Conclusion

- Lyme's disease
- Symptoms within a few days to months
- Rash at area of bite
- Rash shaped like bull's eye
- Fever
- Chills
- Fatigue
- Joint pains

- Mystery illness
- Coughing, sneezing
- Headaches, muscle pain
- Muscle pain
- Rash on palms, soles
- Ointment did not help
- Rash scabs over
- Rash turned to pustules
- Pustules merged together
- Pain from rash
- Not curable
- Organ bleeding

Our conclusion is that Lyme's disease is not the mystery illness because they do not have many similarities.

1-3% of The People Who get Lyme's Disease Die



Computer Aided Instruction:

- Renzulli Learning
- Academy of Math/Reading

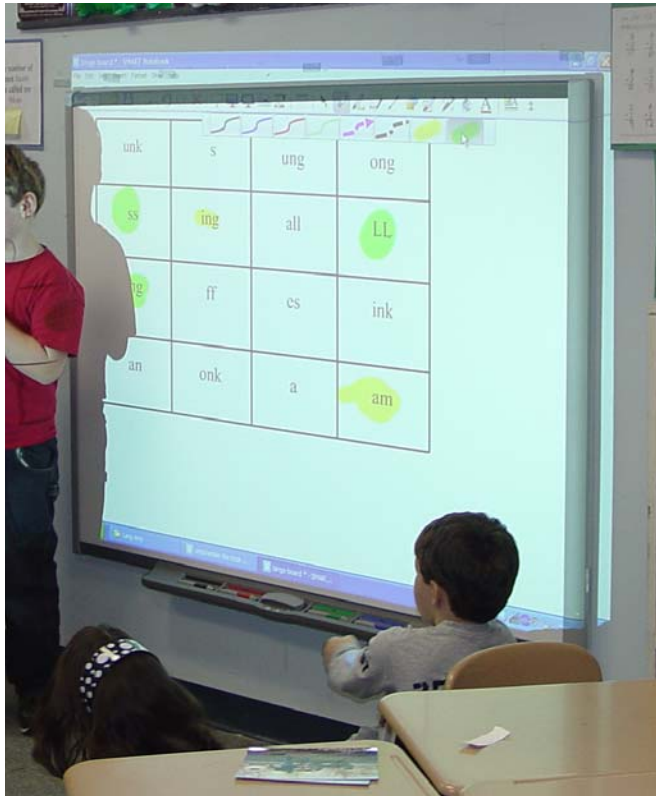




LDW Students Are:

- Sending ecards to troops overseas
- Using teacher selected websites to Research Christmas, Hanukka, Kwanza, and Las Posados & filling out a graphic organizer
- Using an internet thesaurus

LDW Students Are



- Using a variety of interactive websites to learn something new, solve problems & think critically
- Using Smartboards



LDW Students Are...

- Creating Power Point Presentations

LDW Students Are

- Using a variety of software to practice skills, produce products, organize & synthesize information

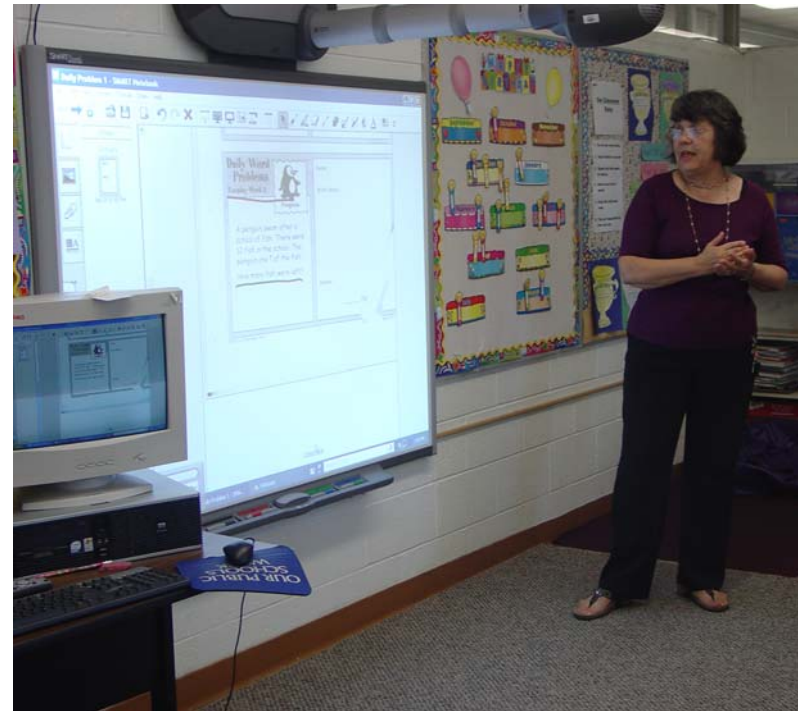


Follow the directions carefully.

1. **gray** house = I am a girl.
brown house = I am a boy.
2. **red** door = I have pets.
blue door = I do not have pets.
3. **purple** chimney = I have blonde or red hair.
green chimney = I have black or brown hair.
4. **yellow** windows = I like scary stories.
orange windows = I do not like scary stories.
5. **yellow** moon = 7 years old.

What Are Our Teachers Doing?

- Using Tech tools to improve communication – [Edline](#), email
- Using electronic gradebook & other teacher productivity tools
- Participating in Technology Training – Smartboard, Advanced Technology Course
- Meeting with Instructional Tech Specialist to plan lessons, implement technology & create assessments





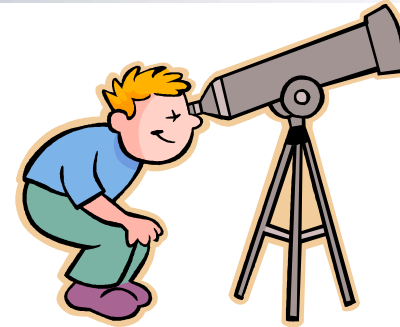
What Are Our Teachers Doing?

- AMS-signing out the computer lab, library & laptop carts
- Teaching each other & sharing Smartboard lessons
- LDW- taking students to computer lab once a week for Enrichment (in addition to computer class)
- Creating visual, media-rich environments with Smartboards & projectors



Where Do We Want
To Go In The Future?

Looking ahead...



- Increase use of paperless communication
- Continue to outfit classrooms with sound systems
- Continue to outfit classrooms with SMARTboards
- Continue to provide staff with technology training
 - Utilizing a few computers in the classroom
 - Basic tech competencies
 - Improving Instruction through technology use
- Encourage tech proficient staff to take leadership roles

Looking ahead...




- Teachers will engage students in technology enhanced learning experiences that are open-ended and require higher order thinking skills
- Teachers will feel comfortable creating lessons that require students to respond to spreadsheets, databases, digital video, blogs, wiki pages, podcasts, Web pages, video conferences and real-time data to gather and analyze information

Looking Ahead

- Laptop Cart for LDW
- Build up wireless infrastructure
- Use of more web-based collaborative projects





'We should turn out people who love learning so much and learn so well that they will be able to learn whatever needs to be learned.' -John Holt