## The CyberSmart! Education Company

Jim Teicher  
CEO  
jim@cybersmart.org

Because achievement, work and life in the 21st Century requires information fluency…and we all need help keeping up!

- Curriculum for K-8 teachers to introduce safe, responsible and effective technology use to their students.
- Online professional development

---

### Cyber safety, ethics and security

**CyberSmart! Education Company**

- Because safe, secure and ethical use pave the way for information fluency
- Educators and students make their safety, ethics and security choices in “real time”
- Total integration with teaching and learning
Focus: Why are we doing this?

• The nature of work today is different
• Yesterday’s education is not enough for today’s learners
• The skills to succeed in today’s world require technology
• Americans must work smarter than ever to compete in a connected world.
• Many academic skills lag behind other nations
Focus on achievement with 21st Century Tools

HeyMath! is an E-learning system that supports the work of teachers in helping students in Grades 5 - 12 ( Ages 10+) build a strong foundation in Math and become independent learners.

Implemented at several progressive schools in Singapore and India, HeyMath! blends the ‘tutored teaching and assessment practice’ of these two world-class academic systems.

The HeyMath! library of animated online lessons, interactive activities and assessment modules helps students strengthen their understanding of concepts and enhance their problem solving skills.

Students overcome the fear of Math as our Innovative pedagogy (personally) explains the ‘why’ and the ‘how’ of concepts while still making connections with real-life applications.

Ideal for home-based learning, HeyMath! is very effective for revision and exam preparation, with students learning at their own pace.

Focus on achievement with 21st Century Tools
Focus on achievement with 21st Century Tools
The CyberSmart! Curriculum       www.cybersmart.org

• Free, original lessons for Grades K-8
• Flexible, non-sequential and easily integrated
• Standards-aligned
• downloadable student activity sheets
• Some lessons utilize the Internet, other lessons are entirely offline
• Implemented by classroom teachers, librarians, technology or media specialists
• Familiar, traditional look and feel

The CyberSmart! Curriculum       www.cybersmart.org

• Safety
  How can students safely enjoy learning on the Internet?
• Manners
  What are the ‘rights and wrongs’ of cyberspace?
• Advertising
  How to identify commercial messages and protect privacy
• Research
  Strategies to effectively mine the resources of the Internet
• Technology
  What is cyberspace and the Internet?
The CyberSmart! Curriculum

Introduce
- Select class, have five children each remove one shoe. Place the shoes in a large bag or box. Have children sit in a circle. Reach into the bag and pull out one shoe. Ask: Whose shoe is this? Allow children to guess before the teacher names the shoe's wearer.
- Ask: As you return each shoe, ask: Does this shoe belong to you? (Yes, that shoe belongs to me.) Have children put their shoes back on.

Teach 1
- Walk around the room, pointing to objects (for example: backpacks, lunch boxes, items on the teacher's desk, furniture, toys, and computer equipment). Have children identify each object and its owner.
- Emphasize that everyone must show respect for the belongings of others, including things that belong to the school. Discuss ways to show respect, including asking permission to use them and being gentle when handling them.

Teach 2
- Distribute the activity sheet. Discuss the situation pictured: Have children guess the objects to which the boy is referring (desk, chair, computer, backpack, scarf, toy, book, ball, or crayon). For each object, have children suggest the gifts reply.
- Read the text to the children and invite them to give examples of how they wish people to respect the things they own and how they respect those that others own.

Close
- Ask: Name some things that belong to people.
- Ask: What computer is that (point to one in the room)?
- Ask: How do you show respect for things that belong to others?

Extend
The following activity can be added for children who completed this lesson in a previous grade.
- Make a "Mixed Up" form colored paper and hang it on a wall. Have children cut out green squares and allow them to add a test to the tree. Each time one of them shows respect for the school's computers.
**S: Safety**

**A Pal in Cyberspace**

Like Jason and Jasmine, you too might find a pal in cyberspace. Although you have never met this person face-to-face, you can have very good times. You might share your thoughts about school, friends, and family. You might discuss a problem you have. Your cybergal might give you good advice. Or, maybe, he or she is just a good listener. Or just someone with whom you enjoy playing a game online.

**Cybergal or Face-to-face Friend?**

Think about it. Can you really know if your cybergal is male or female? Do you really know how old he or she is? You can't know for sure with a pal in cyberspace. That's the difference between a cybergal and a friend you know face to face. A cybergal is still a stranger.

**Be Cyber Smart!**

Don't share private identity information with cybergals. If a cybergal asks you to meet face-to-face, get permission from your parent or guardian if they say yes. Take them along to the meeting.

---

**S: Safety**

**Dealing With Online Bullies**

*Sondra* is planning a slumber party to celebrate her birthday. Her parents have set a limit of eight girls, so Sondra can't invite everyone she'd like. Two girls who are left out overhear the plans. Angry, they plan their revenge.

The girls make a "We Hate Sondra Jones" Web site. They say that anyone invited to the party should not go. They tell everyone in school the site's address. The girls invite everyone to add new reasons why they hate Sondra and to spread ugly rumors about her.

When Sondra hears about the site, she gets a sick feeling in her stomach. Unable to ignore it, she checks the site often. Each day she finds a new nasty comment or joke about her. She feels hurt and powerless to defend herself. Sondra is too embarrassed to go to school and tells her parents she is sick.

If you were Sondra's friend, what advice would you give her?
M: Manners

• Understanding Acceptable Use

The challenge: translating written policy into behavior

Imagine that each situation below is about a student in your school. Is their behavior acceptable under your school's Acceptable Use Policy? Explain your answers.

Deane sends an E-mail from school to his friend in another school. In it, he repeats a joke containing rude language that he heard on a TV show.

Anthony has started a math tutoring business. Knowing that many teachers have younger children, he advertises his services and fees on a personal Web page that is displayed only on the school network.

M: Manners

• Younger children make the connection between property in the real world and in cyberspace

Whose property is this?

Think about whose property you want to use. Check the box if you need permission.

- Turn on a computer
- Open a classmate's file
- Fix a computer
- Use a printer
- Edit my own file
- Install new software
• Making the connection between the “physical” world and cyberspace

**Do the Right Thing**

If it’s not right to **bully** someone you meet at the playground... what about bullying someone you meet in cyberspace?

If it’s not right to **break into** a home and **mess up** the papers on the owner’s desk... what about breaking into a computer and messing up the files?

If it’s not right to **write** bad language on the sidewalk in front of your home... what about using **bad language** on your personal Web page?

If it’s not right to **watch** someone unlock their locker and then open it yourself... what about watching someone use their password and then use it yourself?

---

**Copying Not Allowed!**

If your teacher asks you to write a report in your own words, she expects you not to copy. Not from a Web page. Not from your best friend. Not even if you write it in your own handwriting or retype it yourself.

Taking others’ exact words and pretending that they’re your own is **plagiarism**. It’s cheating and is against your school rules.

**But, It’s So Easy**

It’s hard not to copy. Especially when you find a Web page that tells what you want to say so well. It is so easy to copy and paste. E-mail, too, makes it easy for kids to copy each other’s work. Instead, try reading the Web page, closing it, and writing the information in your own words.
**M: Manners**

**Considering Copying**

- You copy photographs from various Web sites and place them on your personal Web page.
- You use a search engine to find several Web sites containing information for a school report. You copy, paste, and reorganize one paragraph from each site into your report. Then you write your own introduction and conclusion.
- You get a very funny birthday card in the mail, scan it, and post it on your personal Web page.
- You copy a photo from a Web site and paste it into a school report.

---

**M: Manners**

- Older children learn that certain online behaviors are against the law

**Tell It to the Judge**

*Robert*, 13 years old, is very good with computers and likes a challenge. Exploring the Internet, he figures out how to enter the computer system used by his city. Just for fun, and to prove he was there, Robert makes a very small change to the city’s home page. He adds, “It’s MY town!”

Would you consider this a harmless joke? Why or why not?
A: Advertising

A Place to Advertise

1. What is the name of the site?

2. What activities are offered at this site?

3. What makes the site attractive and enjoyable?

4. What products are advertised at this site?

5. What things are for sale at this site?

6. What most makes you want to visit again?

Filling Out a Form — Ask First

Join Pop's Birthday Club!
On your birthday, Pop will send you a free popcorn sample and valuable coupons.
Kid's name: 
If under 13, parent's E-mail address:
If over 13, Kid's E-mail address:
Street address: 
City: State: ZIP code: 
Kid's Age: Kid's Birthday: 
Send me a free sample just for joining.

Submit

Many Web sites ask for private information. Do not answer before asking your parent. Even if you want to
R: Research

- The issue isn’t “getting something” -- but what kind of information is retrieved

<table>
<thead>
<tr>
<th>Purpose of the Site</th>
<th>Circle</th>
<th>Add details to explain</th>
</tr>
</thead>
<tbody>
<tr>
<td>Can you tell if the site is fact or opinion? (If the information seems one-sided, or biased, you will have to go elsewhere to hear the other sides of the issue.)</td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td>Is the site free of advertising?</td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td>Is there ads, is it easy to tell the difference between ads and content?</td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td>Is the site sponsored by any organizations?</td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td>Is it clear who the site is for? (for example, college students or young children)</td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td>Is the tone calm and fair? (Sites that are hateful and angry may not be good sources of information.)</td>
<td>yes</td>
<td>no</td>
</tr>
<tr>
<td>Is the site open to everyone? (no age requirements, fees, passwords, or registration)</td>
<td>yes</td>
<td>no</td>
</tr>
</tbody>
</table>

R: Research

- Retrieving information effectively

  Using key words
  Searching categories
  Examining search sites and directories
  Making search decisions

  Lift the flap to find out what to do.
T: Technology

- What is cyberspace?
  People communicating with people

  **Cyberspace Country**

  **Thinking About Cyberspace**
  Where do people GO when they say “I’m going online.” Where do they LOOK when they say “I can find it in cyberspace?” Write your ideas.

  __________________________________________________________________________
  __________________________________________________________________________
  __________________________________________________________________________
  __________________________________________________________________________
  __________________________________________________________________________

Online Professional Development
www.cybersmart.org/pd

*Pathways to Information Fluency™*

*After taking this course learners will be able to make better decisions by understanding and applying effective, ethical and secure practices for identifying, collecting, synthesizing and evaluating online information.*

- Every K-12 professional’s guide to new literacy skills
- To effectively navigate today’s requirements and tomorrow’s realities
Online Professional Development
www.cybersmart.org/pd

• Sneek Preview: Multimedia presentation