

**Instructor  
and Parents**

# Effective C3 Tech Tips



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## C3 Framework

- Cyberethics
- Cybersafety
- Cybersecurity
- Taught as a whole, yet each having a unique focus
- Spotlights the importance of each component
- Provides the opportunity for more complete coverage
- Accounts for intervention differences

## Words to Remember

Parents and teachers want to know what messages to send to kids regarding the C3 issues that pop up every day. Decades of research on effective communication with children tell us that the messages need to be **positive, short, and repeated often**. This means that in addition to positive, succinct lessons, kids also need to hear about good C3 practice from parents and instructors frequently. High-quality messages repeated often will help turn C3 content into good C3 habits.

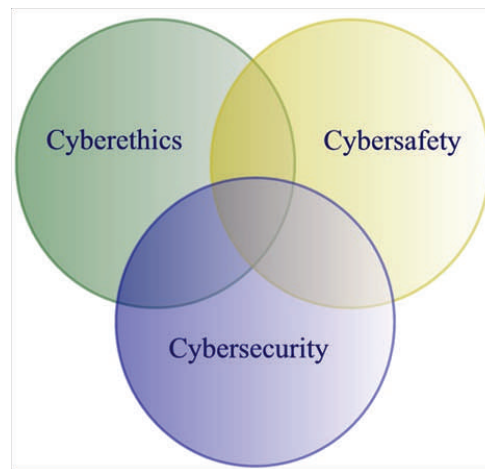
Parents and teachers should set the expectation that kids should develop the following four habits.

- I am responsible**
- I am respectful**
- I am prepared**
- I am safe**

These life lessons augment the C3 framework by defining the

behaviors that are expected of every person using technology. It is only when these C3 habits are practiced by every individual who uses information and communication technology (ICT) that our data, personal information, and the places where we work, learn and play will be safe. Read on to see what specific C3 tips kids need to hear early and often.

In this newsletter you will learn what content to cover for each of the C3 topics as well as good habits to help your kids be responsible, respectful, prepared and safe when using ICT. Associated with each good habit is a quote in blue which is a positive, short message you can tell your kids to reinforce good C3 practice.



## The C3 Framework: Assuring Complete Content Coverage

In research conducted by Educational Technology Policy, Research and Outreach (ETPRO), it was learned that the label "Internet safety" is over-used to describe selected content that is taught in schools. While plagiarism and cyberbullying are important topics, cybersafety and cybersecurity encompass a much broader scope of topics. Only

recently have cybersecurity topics been discussed in the public arena, yet they are virtually ignored in the educational setting. Teaching all C3 topics as one, through branding such as *digital citizenship* or *Internet safety* curriculum, makes it far too easy to check off the topic as "covered," while only scratching the surface of indi-

vidual domains.

ETPRO developed the C3 Framework in 2000 to assure that all important content is included in curriculum, policy, and most importantly in conversations with children. By detailing particular elements under each domain, organizations can better design and address critical content.

# Cyberethics

Cyberethics is the discipline dealing with what is good and bad, and with moral duty and obligation as they pertain to online environments and digital media. Topics include:

- Plagiarism
- Copyright
- Hacking
- Fair use
- File sharing



File sharing is not only illegal it leaves computers susceptible to malware.

- Online etiquette protocols
- Posting incorrect/inaccurate information
- Cyberbullying
- Stealing software, music, and videos
- Online gambling
- Gaming/ Internet addiction
- Reputation management

# Cybersafety

Cybersafety addresses the ability to act in a safe and responsible manner on the Internet and online environments. These behaviors can protect personal information and one’s reputation, and include safe practices to minimize danger — from behavioral-based rather than hardware/software-based problems. most of the issues covered in Cybersafety are steps that one

can take to avoid revealing information by “social” means.

Topics include:

- Online predators
- Objectionable content
- Cyberstalking
- Harassment
- Pedophiles
- Hate groups
- Pornography
- Unwanted communications
- Online threats

More dangerous than any technical threat to your computer is a lack of awareness of the dangers and what to do if they occur.

# Cybersecurity

Cybersecurity is defined by the HR 4246, Cyber Security Information Act (2000) as "the vulnerability of any computing system, software program, or critical infrastructure to, or their ability to resist, intentional interference, compromise, or incapacitation through the misuse of, or by unauthorized means of, the Internet, public or private telecommunications systems, or other similar conduct that violates Federal, State, or international law, that harms interstate commerce of the US, or that threatens public health or safety." Cybersecurity

covers physical protection (both hardware and software) of personal information and technology resources from unauthorized access gained via *technological* means. Topics include:

- Hoaxes
- Viruses and other malicious self-replicating code
- Junk email with links to malicious sites
- Chain letters
- Ponzi schemes

- Get-rich-quick schemes
- Scams
- Criminal hackers
- Hacktivists
- Spyware
- Adware
- Malware
- Trojans
- Phishing
- Pharming scams
- Theft of identity
- Spoofing
- Privacy

## Top 10 C3 Concepts

1. If you don't know them in real life –use common sense
2. Project a positive image through your posts
3. Limit the information you share about yourself
4. Be thoughtful about what you click on
5. Cite work that is not your own
6. Scan and update your computer
7. Use a firewall
8. Disable or block web cameras when not in use
9. Identify a trusted adult in case of trouble
10. Spend time off-line too

## Cyberethics Good Habits

### Responsible

For creating their own work and protecting the copyrights of others

“Cite it if you did not create it yourself”

### Respectful

Of the feelings of others and use caution in what they post.

“Posting is permanent and can be traced back to the author”

### Prepared

To help others who are not behaving ethically or are victims of cyberbullying or harassment.

“Identify a trusted adult you can talk to”

### Safe

By setting time limits for using ICT and expanding real life activities.

“Seek a balance between virtual and real life fun.”

## Cybersafety Good Habits

### Responsible

With my personal and other's personal information. Revealing too much information about themselves and others facilitates identity theft and cyberstalking.

“Limit the information you share about yourself and your friends”

### Respectful

Of their own reputation and the reputation of others. Objection-

able content can be read by parents, grandparents, recruiters, schools and employers.

“Respect yourself by only posting content that projects a positive image about yourself”

### Prepared

To help others who are being threatened, stalked, or have too much information revealed about them.

“Print the screen, and save messages to show the police or a trusted adult.”

### Safe

Responding to unwanted communications is the greatest predictor of physical danger.

“Use common sense communicating with unknown sources”

## Cybersecurity Good Habits



### Responsible

Technical protections include virus and malware software which should be run daily. A

hardware or software firewall is also necessary to protect hardware and software.

“Run your malware detection software daily”

### Respectful

Links and attachments in emails can cause unwanted software to damage your computer. Respect others who use a computer by avoiding things that can cause viruses and malware infections.

“Protect everyone who shares your computer by thinking before clicking”

### Prepared

Updating and patching computer software is an important part of

responsible computer ownership. — this includes scanning software as well as operating systems and internet browsers.

“Set the update option on your virus and malware scanning software to automatic .

### Safe

Unprotected web cameras can be accessed by anyone.

“Put a Post-it Note over your web camera when not in use”

