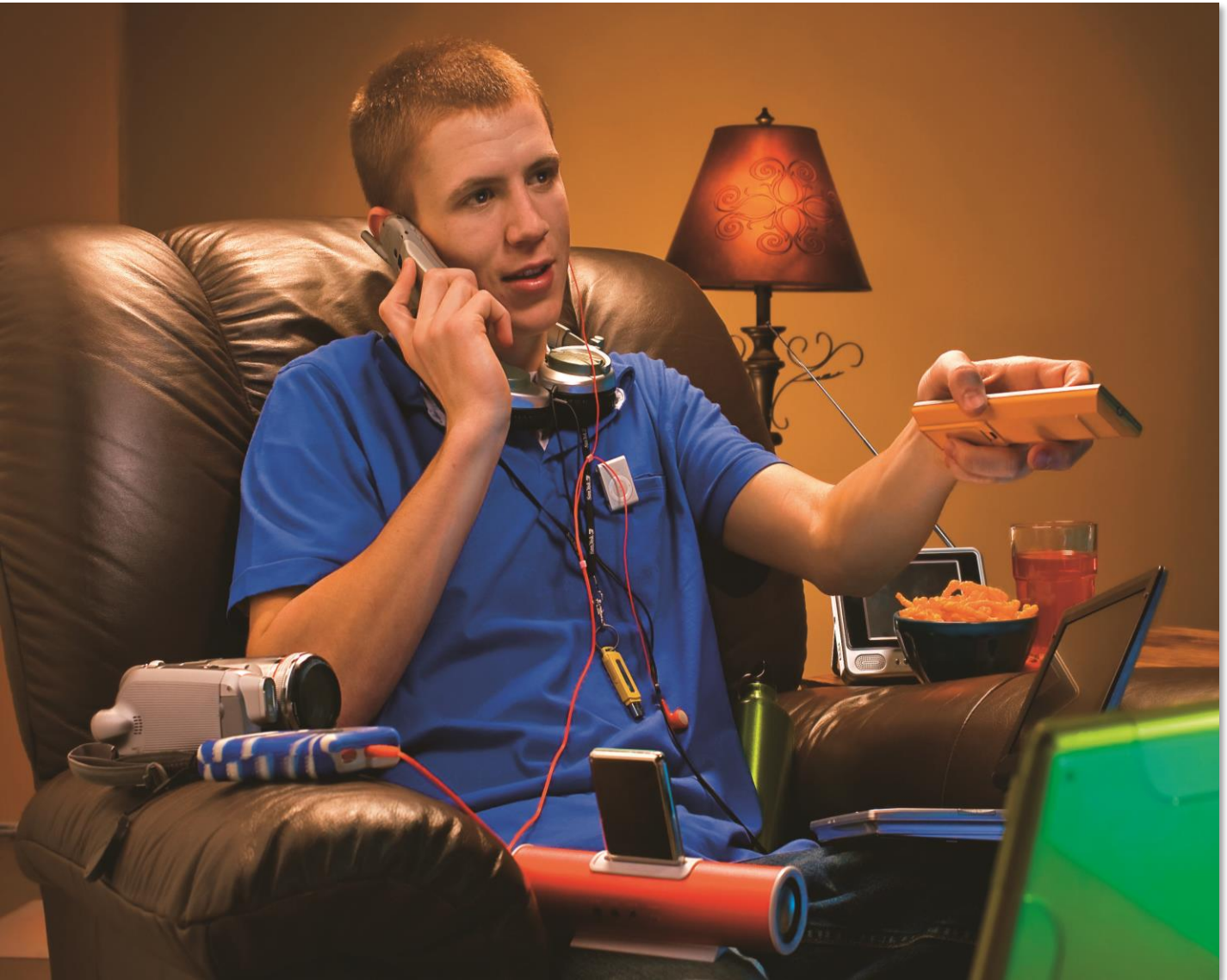
Technology Safeguards in Your Home

About Your Presenter

- Author of "*Cyber Safety: Maintaining Morality in a Digital World*"
- CTO for multiple security companies
  - Computer Forensics and Internet Filtering
- 3 U.S. Patents for security software
- 25 years in software development
- B.S. in C.S from UVU, MBA from BYU
- Currently CIO for Merrick Bank
- Married for 28 years, father of 4

About Your Kids



- Love to share
- Demand Immediate Information
- Overloaded
- Isolated
- Mobile

Apostolic Blessing

"100 years ago, people still traveled by horse and buggy... There was no air travel, no E-mail, no fax machines, no Internet. There has been an explosion of secular knowledge. I believe that **God** has opened up these treasures of intelligence to enhance His purposes on the earth.

The new century will bring exponential advances in that treasury."

Apostolic Warning

Today I raise an apostolic voice of warning about the potentially stifling, suffocating, suppressing, and constraining impact of some kinds of cyberspace interactions and experiences upon our souls. …in a cyber world, these challenges are more pervasive and intense.

Five Home Technology Safeguards

1. Carefully determine what technology you will keep in your home

2. Keep devices in public areas

3. Have a device curfew

4. Filter and limit device access

5. Regularly monitor and discuss device activity

We Are More Connected Than Ever

Computers

Things at home that connect to the Internet

- Laptop
- PC
- Mac

Mobile Devices

Things at home that connect to the Internet

- Smartphones
- Tablets
- iPods
- Handheld Gaming Devices

Things at home that connect to the Internet

Streaming Media Players

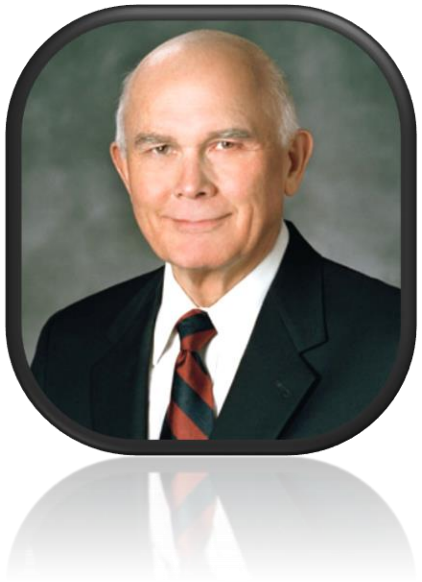
- Roku
- Chromecast
- Apple TV
- Amazon Fire TV

Other

Things at home that connect to the Internet

- Smart TV’s
- Gaming Consoles
- Smart DVD/Blu-ray Players
- Cable and Satellite receivers

Install Filters



We must also act to protect those we love. Parents install alarms to warn if their household is threatened by smoke or carbon monoxide. We should also install protections against spiritual threats, protections like filters on Internet connections

Types of Internet Protections

Whole Home Protection (Everything connected to home WiFi)
☺ All types of devices are protected
☺ Need to setup just once
☹ Does not always protect device when connected to cellular data or another WiFi location

Device Protection (Each device has installed software)
☺ Protects device no matter how it connects to the Internet
☺ Very granular protection
☹ Software not available/supported for EVERY device
☹ Each device has to be setup and configured individually

Device Protection

Types of Internet Protections

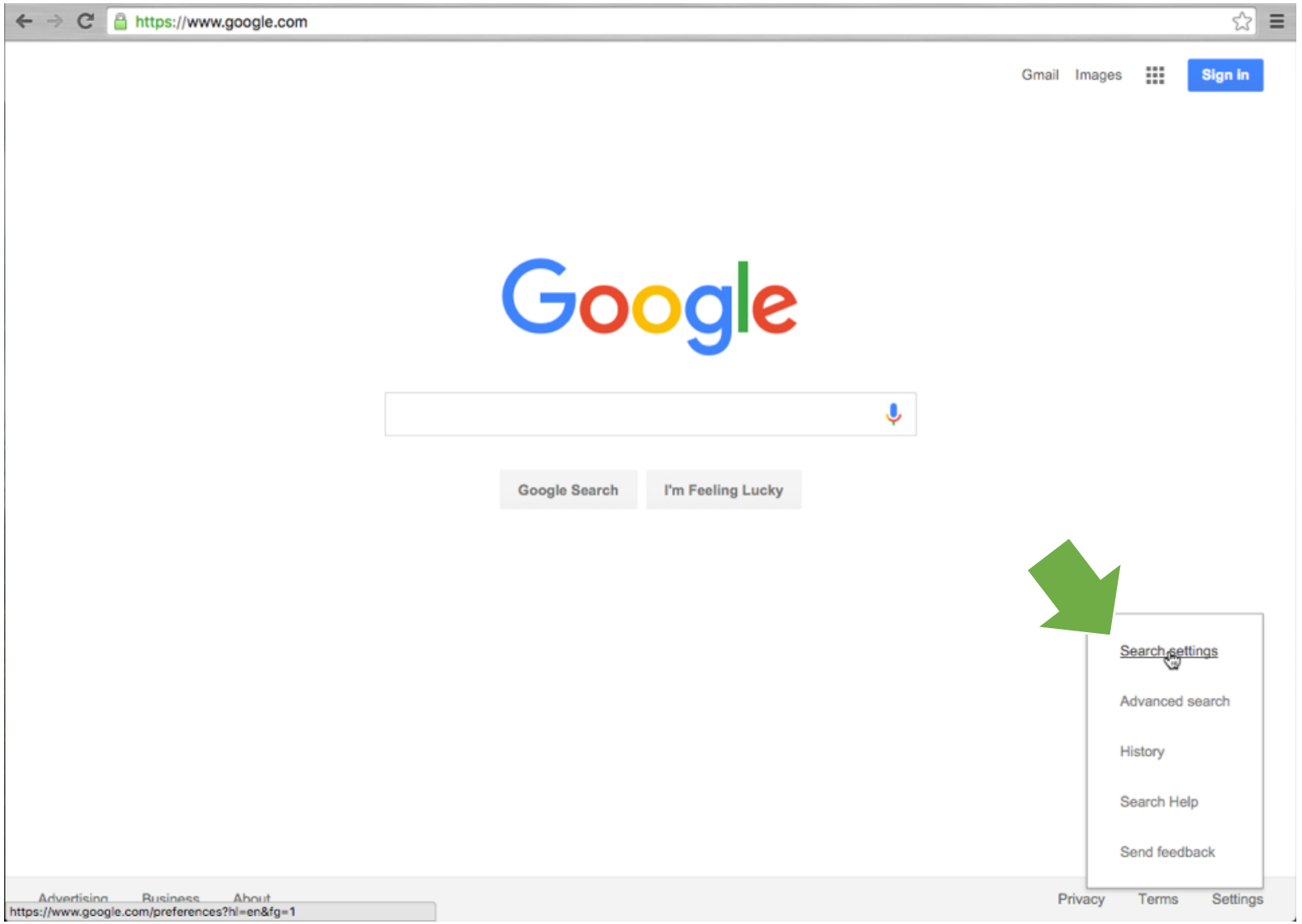
Service Settings (Provided by service provider)
☺ High confidence
☺ Already included and easy to setup
☹ Generally non-customizable, and often too restrictive

Service Protection

Some Tools I Recommend ☺

		Initial Cost	Subscription Fee	Additional Info
Device Software	K9	$0	$0	
	NetNanny	$0	$60/yr (5 devices)	
	CovenantEyes	$0	$180/yr (family)	
Whole Home	OpenDNS	$0	$0	Remember to password protect the router
	Router Limits	$49	$0	Monthly fee for cell data coverage
	Circle with Disney	$99	$0	Monthly fee for cell data coverage
Service Settings	Google/Bing SafeSearch	$0	$0	Very good; easy to disable
	YouTube Restricted Mode	$0	$0	Good; false positives; easy to disable
	Netflix Rating Restrictions	$0	$0	Good; strict filter includes “unrated”
	Cellular Carrier Filter	$0	$0 - $5/mo	Fair; false positives; often subpar

Google SafeSearch



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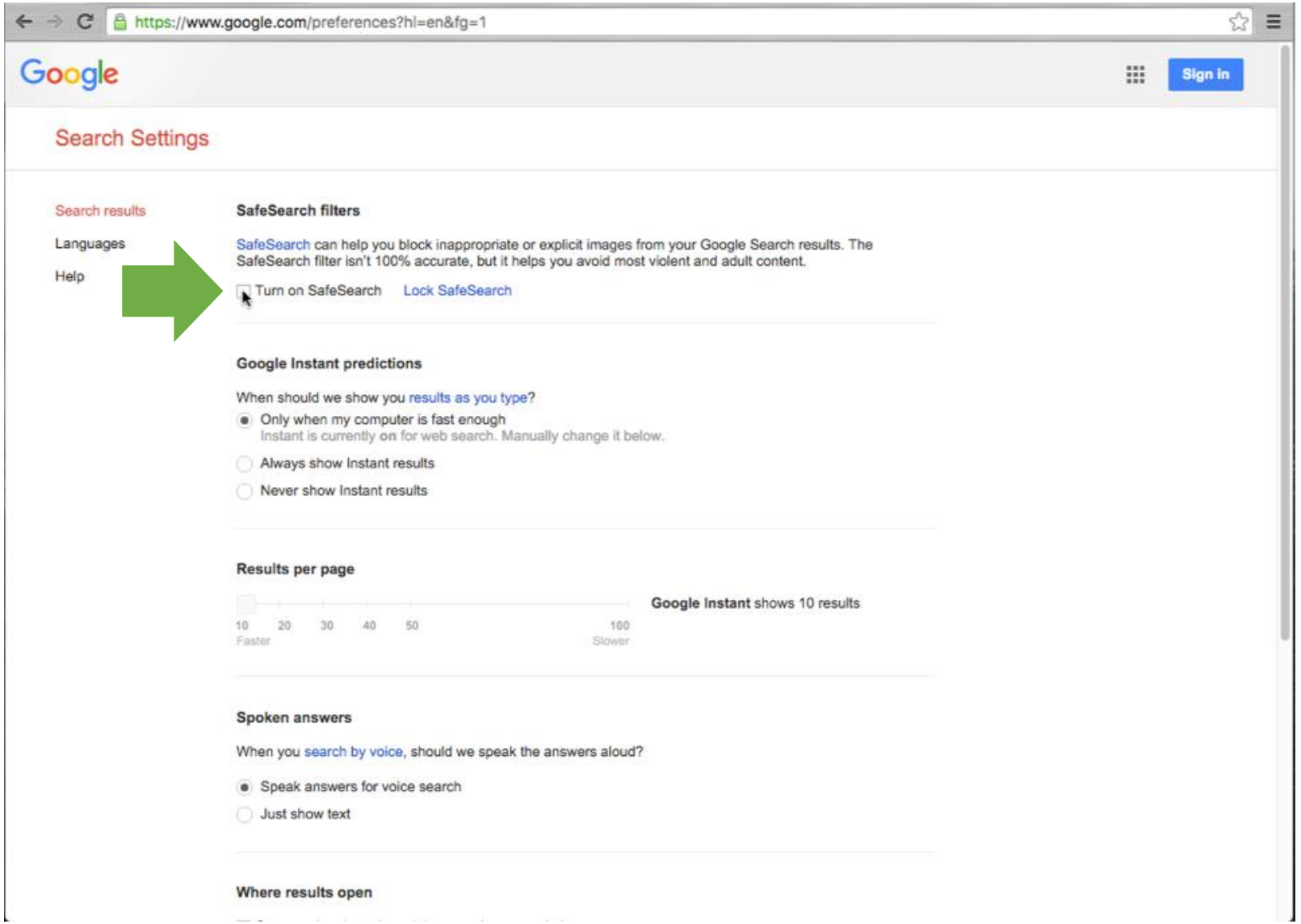
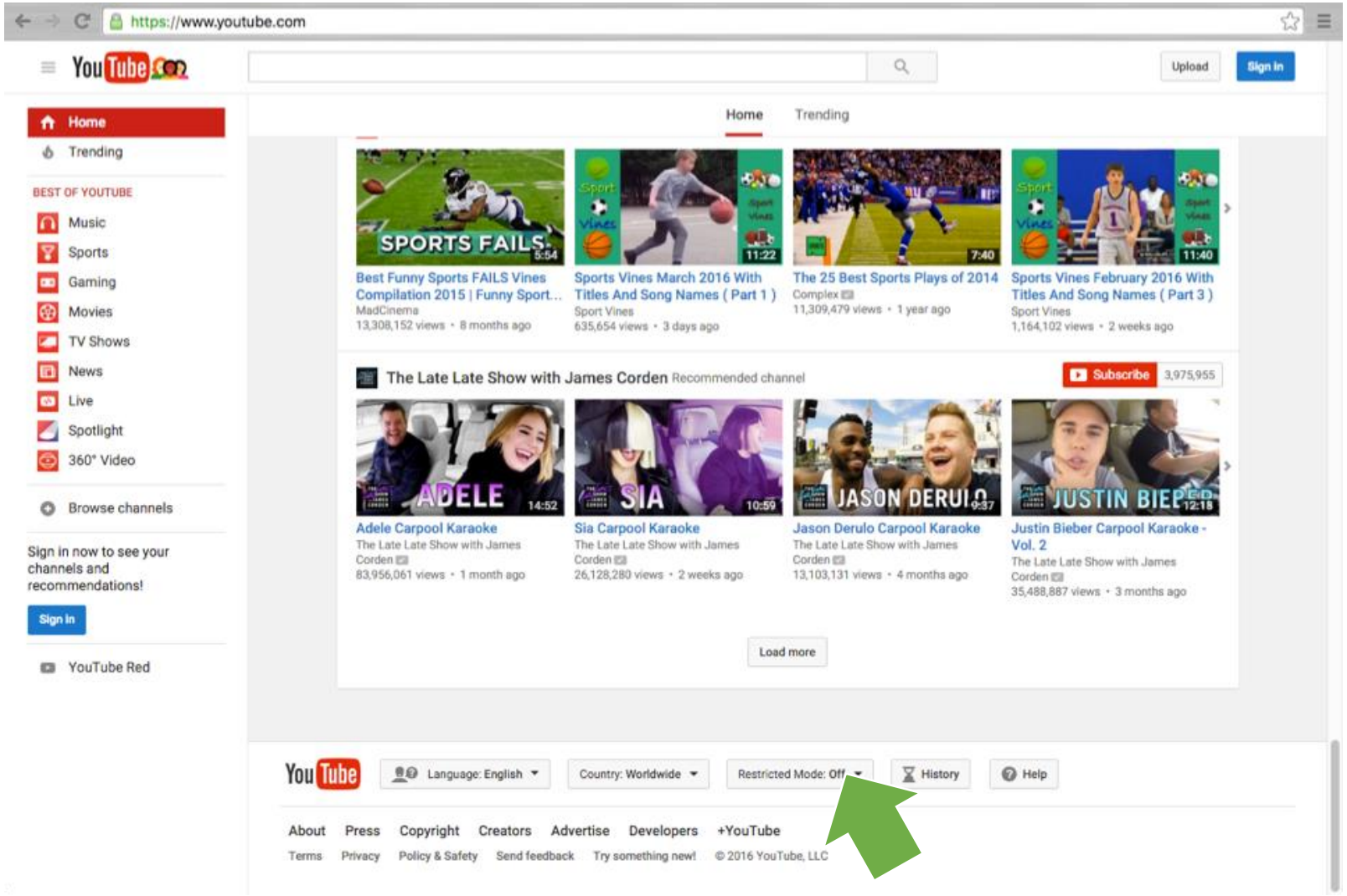


YouTube Restricted Mode



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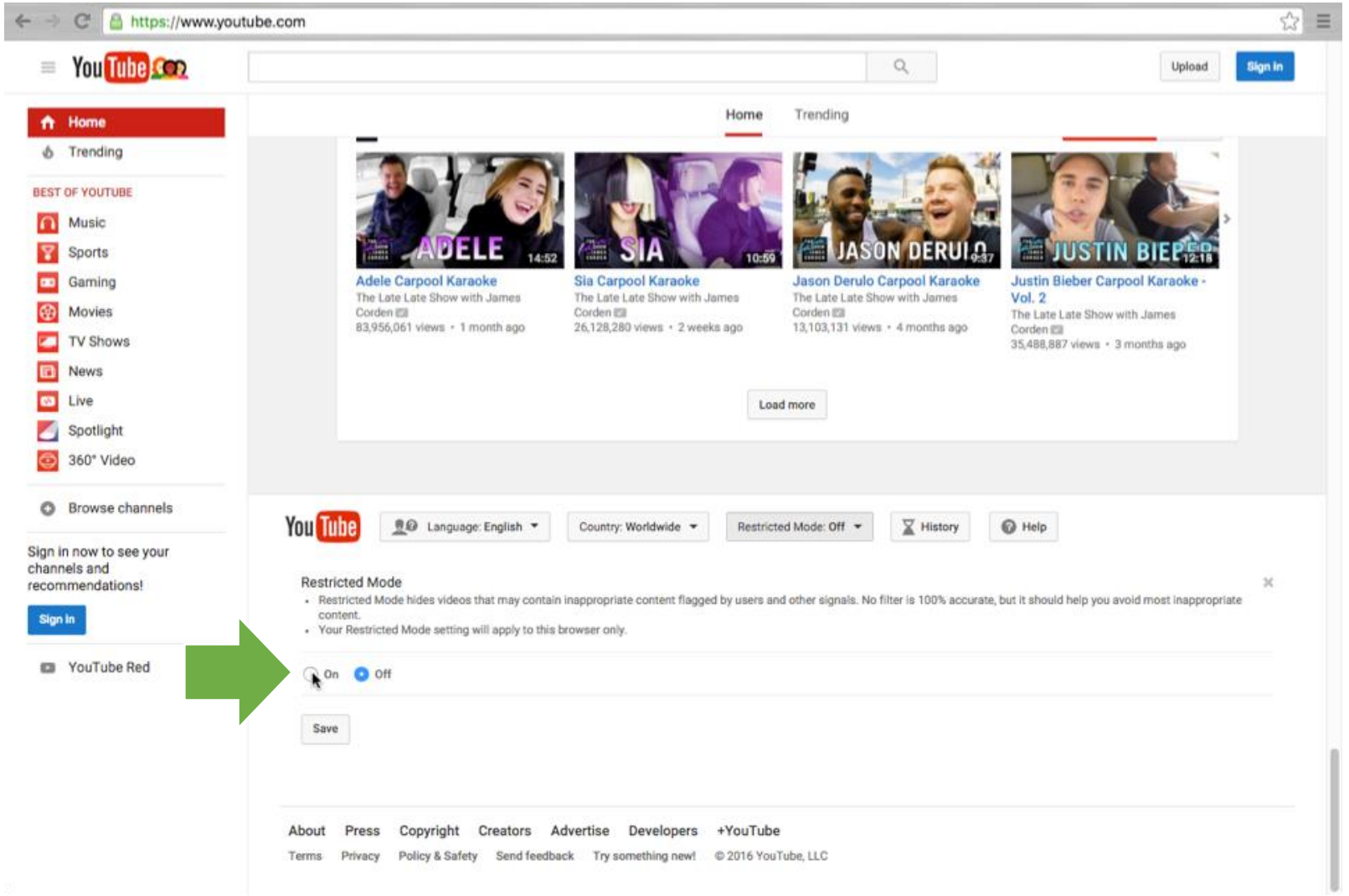
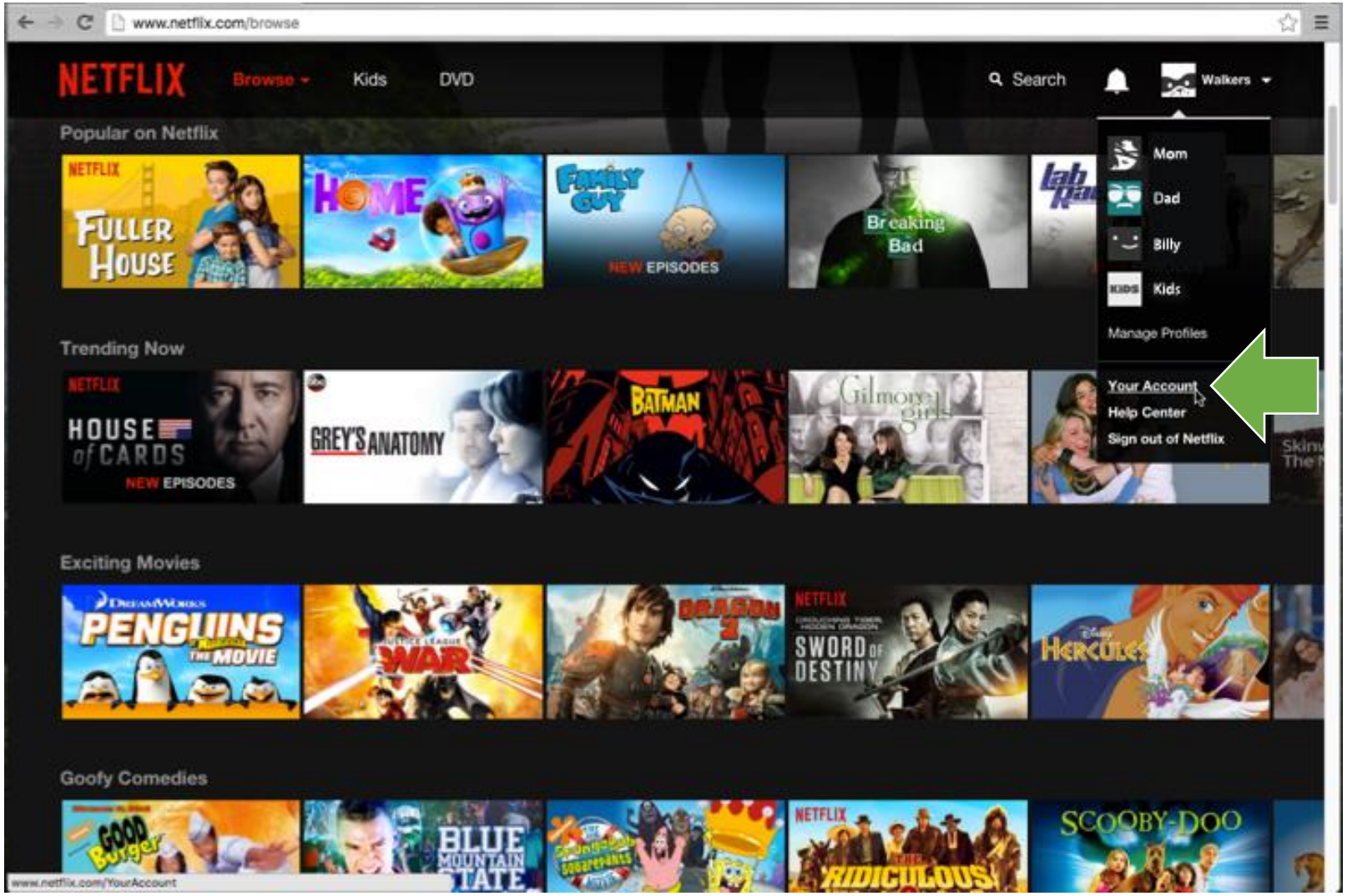


Netflix Parental Controls



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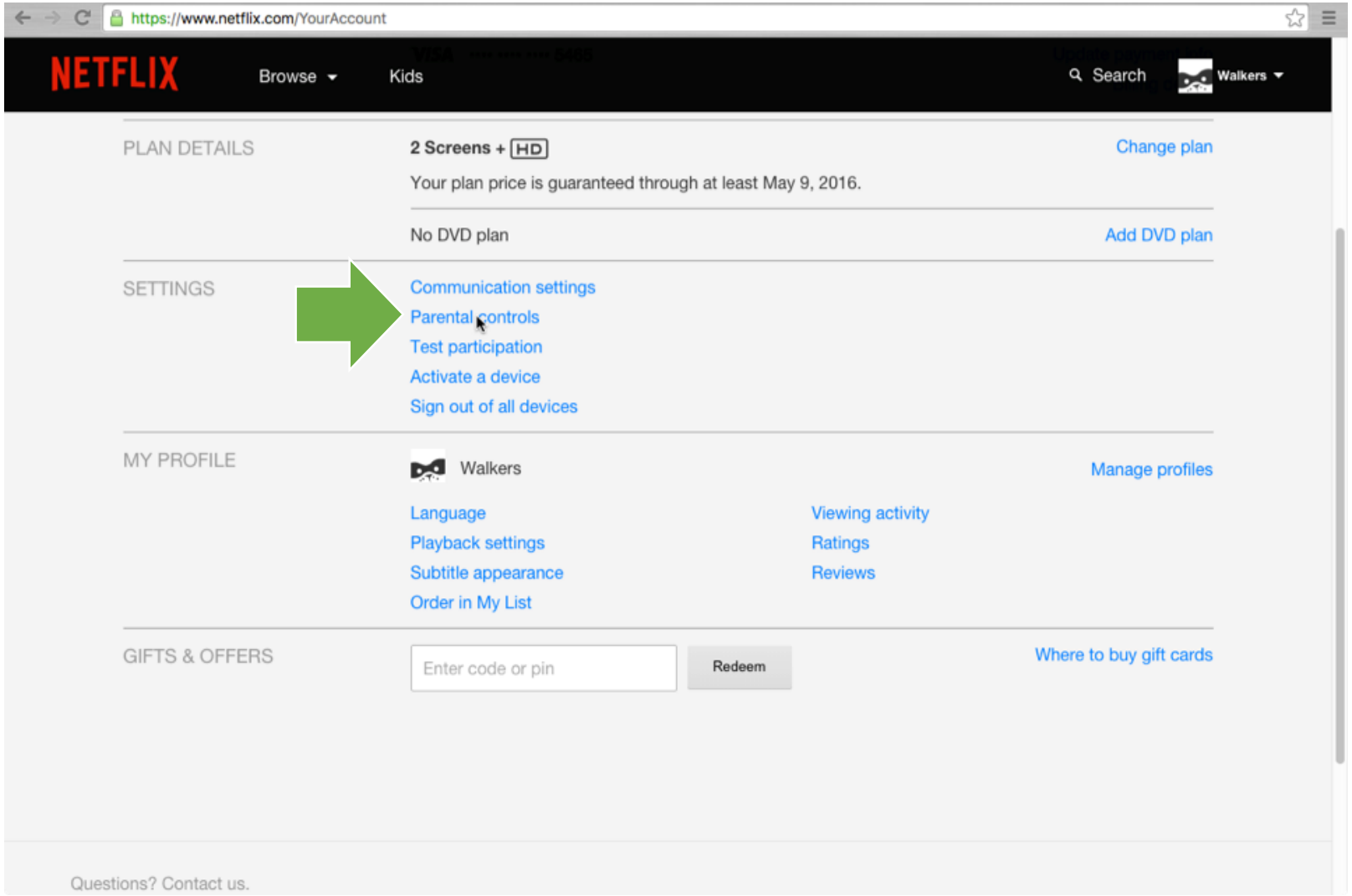

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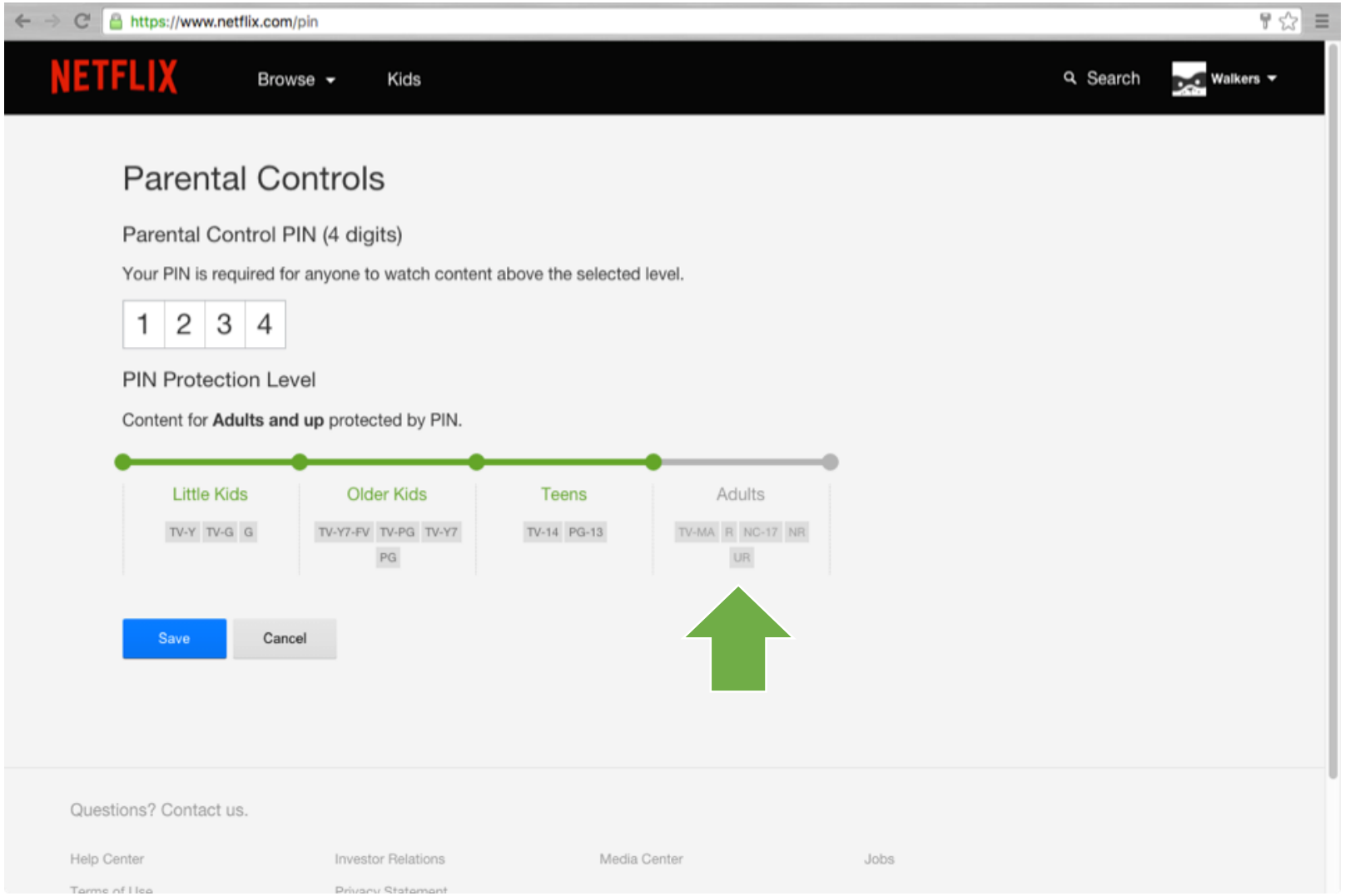
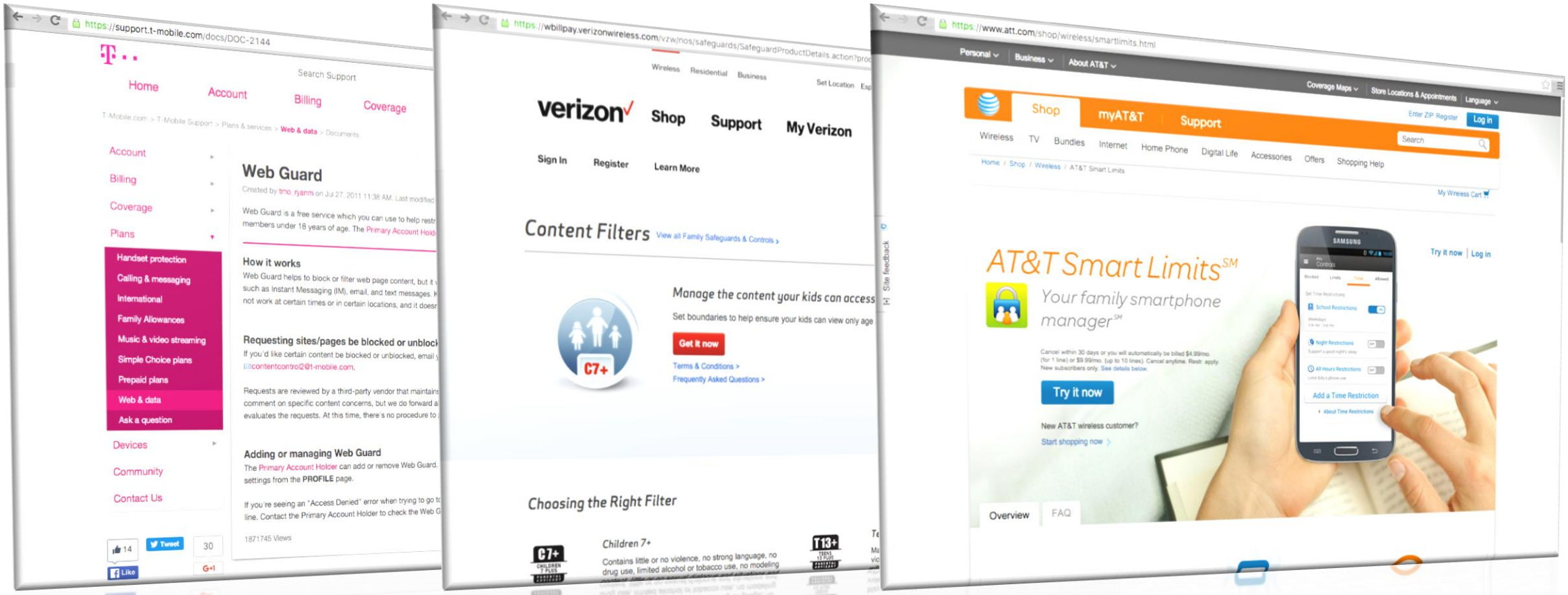


Cellular Carrier Filter



Comparison – Mobile Device Protections

Apple (iPhone, iPad, iPod Touch)

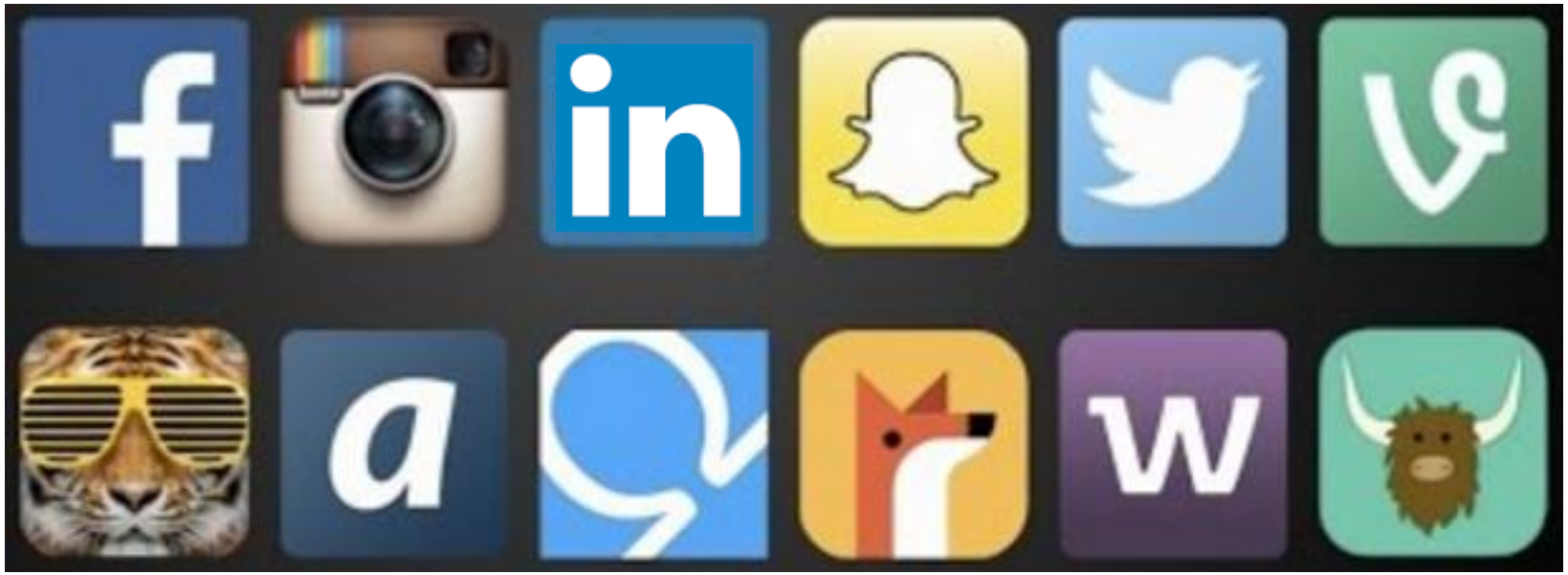
- Some built-in protections for limiting websites and apps. No additional software needed for basic website filtering.
- Apple greatly limits the ability of other companies to provide additional protections, filtering, and monitoring.

Android (Samsung, LG, Motorola, Google, etc)

- No built-in protections for limiting websites and apps.
- Extensive protections, filtering, and monitoring available through third-party apps in the Google Play Store.

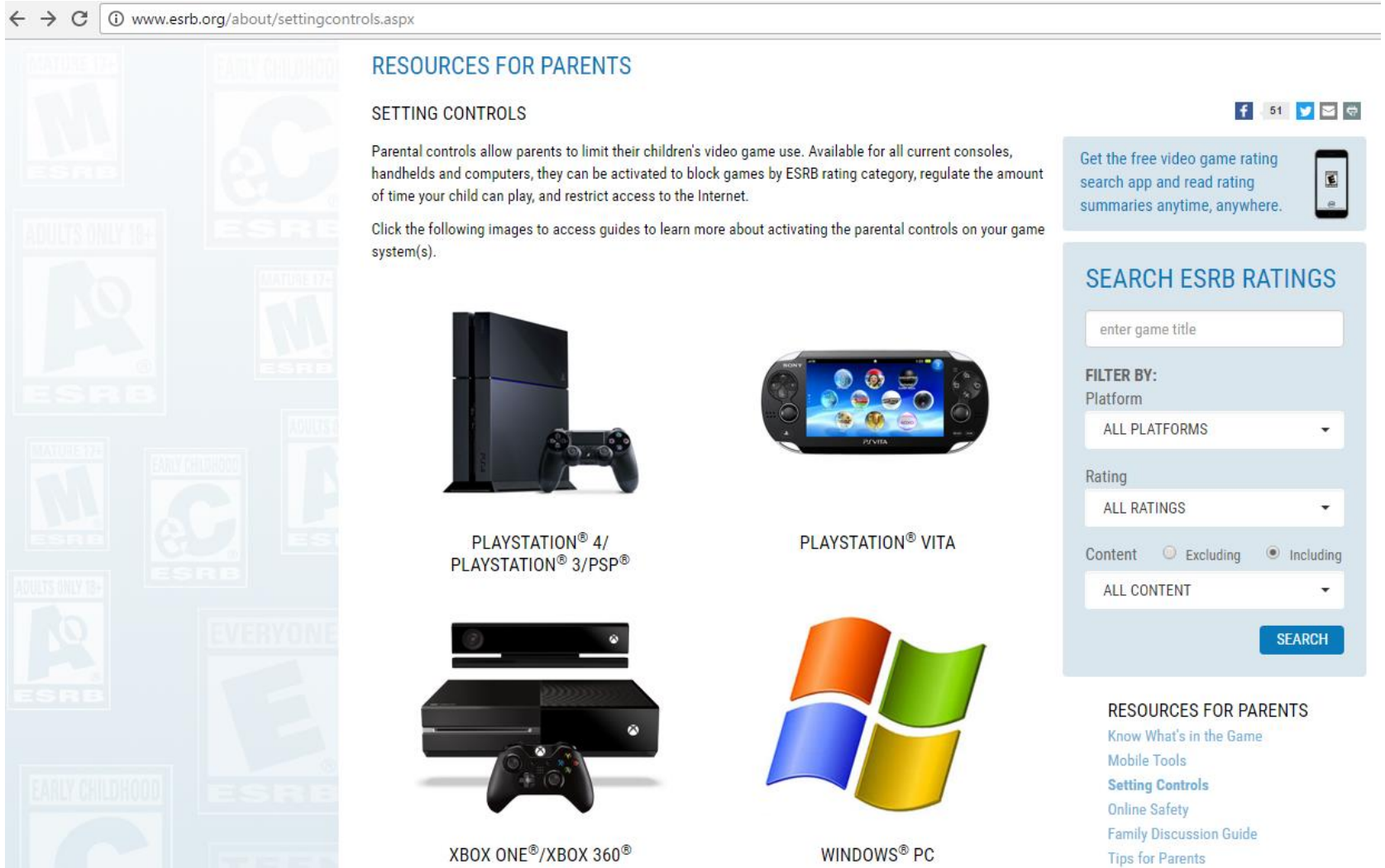
Apps

- Know the apps before allowing (safesmartsocial.com)
- Don’t trust app ratings
- App popularity doesn’t mean app safety

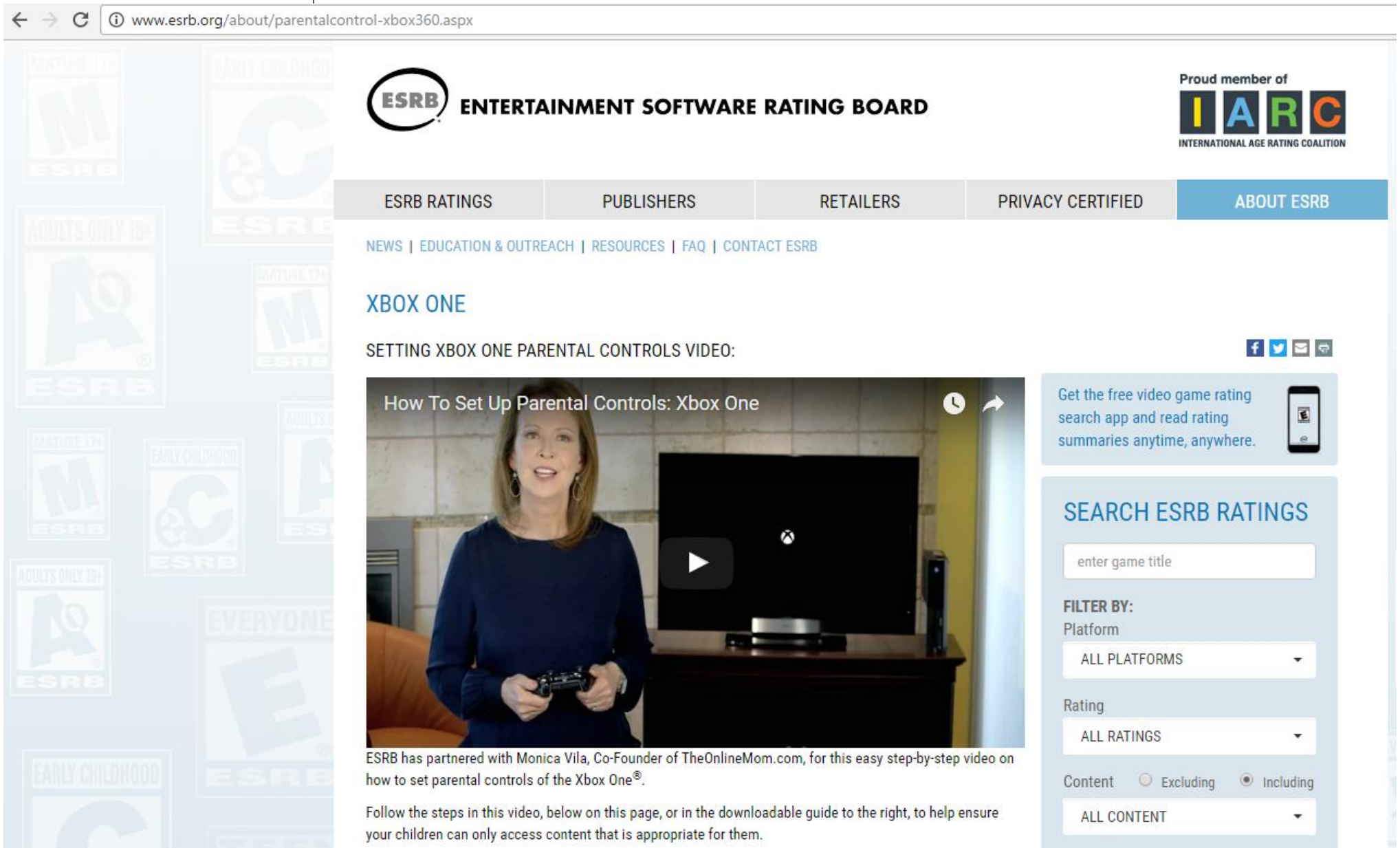


Protecting Gaming Consoles

www.esrb.org/about/settingcontrols.aspx



Protecting Gaming Consoles



Caution: Kids are smart!

Filters are Like Child Locks

Epidemic

Now I know that there are millions of young people in every nation who live **wholesome, good lives**. But no one can blink at the fact that across the world there is an **epidemic** affecting millions of youth.

It is a sickness that comes of a **loss of values**, of an **abandonment of moral absolutes**.

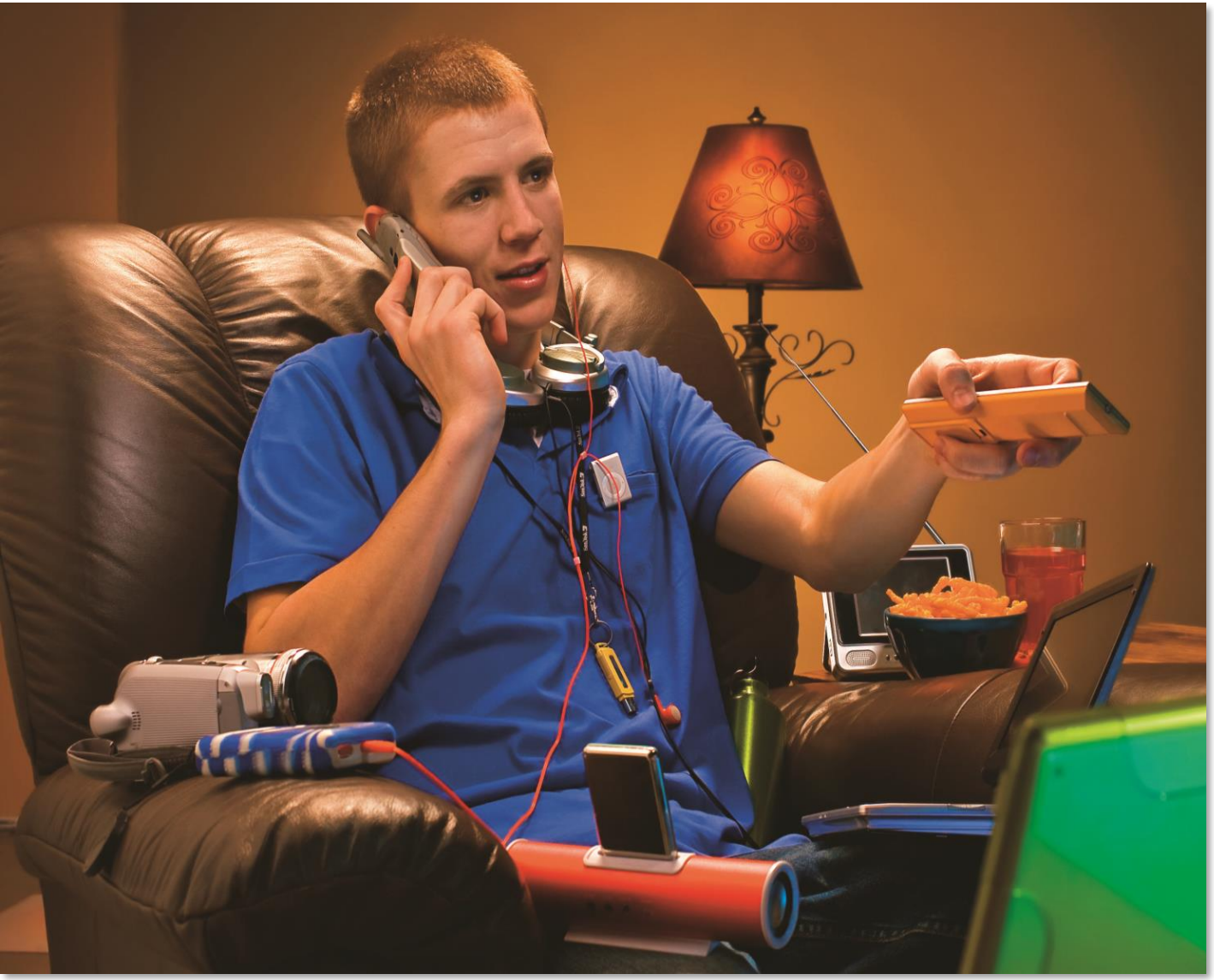
Teach Doctrine

I have long believed that the study of the doctrines of the gospel will improve behavior quicker than talking about behavior will improve behavior.

The study of behavior is greatly improved when linked to standards and to values. Practical values, useful in everyday life, are found in the scriptures and the doctrines they reveal.

The “Internal Filter”

Non-Tech Ideas



Talk

Teach

What is OK?

What to do if exposed?

Observe

Behavior Changes

Deleting Browser History

Prepare Yourself

Know how you will react

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Thank you