

*Are you ready to try out your skills as a security expert?*



Read the descriptions of the cases carefully. Then, try to solve the case using the security steps you have just learned. Remember to pay attention to ALL of the details of each individual case.

Good Luck, Junior Detectives!

### Case #1: The Case of the Stinky Web Site

Tommy was working on a report for his health class. He decided to do the report on the bad things that smoking cigarettes could do to a person's body. As he was looking on the WWW, he found a site that claimed that there was proof that smoking cigarettes was actually healthy. Tommy noticed that the same site also had an advertisement for a store that sold cigarettes.

"Everyone knows that smoking is NOT healthy!" Tommy thought to himself. "I wonder what this site is really trying to do."

Would you consider this a good site to use as a reference? Why or Why not? Why would a store that sells cigarettes want people to think that it is a healthy choice?

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## Case #2: The Case of Crazy Cabinet

Over the weekend, Megan decided to work on her oral report for her social studies class. She decided to focus on the President and his Cabinet. (The "Cabinet" is a group of government officials who serve as advisors to the President.) Megan used a kid-friendly search engine and found all kinds of great information. She finished the report in record time!

On Monday morning, Megan volunteered to do her oral report first. The report went very well. At the end of the report, Megan asked if there were any questions. One of Megan's classmates raised her hand and asked Megan to repeat the name of the Secretary of Labor. Megan repeated the name she had said earlier. The student looked puzzled and said, "Well, that's different than the one Mr. Smith gave us last week. Mr. Smith, who is the real Secretary of Labor?"

Quickly, Megan compared the name she had the name she found on the WWW with the name from Mr. Smith's notes. They were NOT the same. Mr. Smith thought about it for a minute and said, "The person Megan referred to was the Secretary of Labor during President Bush's term in office. Your information was outdated."

What do you think happened? Megan did the right thing by using a kid-friendly search engine....but what important step did she forget? How could this situation have been avoided?

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### Case #3: The Case of the Hidden Dinosaur Information

Nick was trying to find information on dinosaurs for his science report. He decided to do his report on a really cool dinosaur called "Allosaurus". He had checked out a bunch of books from the library, and found a TON of information. He wanted to include a detailed picture of Allosaurus on the title page of his report.

He didn't find a picture that he really liked in any of his resource books. So, he decided to go out onto the WWW and look for one to use. Nick had heard all of his friends talking about finding lots of information on the Web, so he thought it would be quick job. He really didn't know how to search the Web...so, he just typed in "www.dinosaur.com". All he found there was an advertisement for a new movie. So, he tried "www.allosaurus.com". He found another advertisement on that site. Nick kept trying to find information by typing in different web addresses. He ended up not finding anything and decided to leave the title page blank. Nick was very frustrated.

The next morning, he turned in his report to the teacher and told her about the trouble he had finding a picture for his title page. She replied, "Well, Nick, when we're in the computer lab today, I'll demonstrate a great tool that kids can use to effectively search the WWW. I think it will definitely help you next time!"

What tool was Nick's teacher referring to? What keywords would you use with that tool to find information on Allosaurus?

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### Case #4: The Case of the Clean Disk

While in the computer lab working on an English paper, Chris found a disk on the floor. He was curious what was on it, so he put it in the computer and looked at the list of files. He decided to open one that was labeled, "cleaner". He double clicked the icon and immediately his screen went black.

A message appeared that said, "Thanks! I just cleaned your machine----all of your files are gone!" Chris was really worried. He tried to re-start his computer, but it turned out that all of the programs and files stored on the computer were erased.

What do you think happened? How could this situation have been prevented? Do you think Chris will get in trouble? Why or Why Not?

This image shows a blank sheet of white paper with horizontal ruling lines. The lines are evenly spaced and extend across the width of the page. There are no margins, text, or other markings on the paper.

## Case #5: The Case of the Purple Folder

Mr. McCall's fifth grade class used email every week to contact their pen-pals who lived in Mexico. Each student was given a password to use to log into his or her school email account. Becky, one of Mr. McCall's students, decided that she would write her password on the outside cover of her purple folder. Then, she wouldn't have to remember it.

On the way home from school that day, Becky forgot her purple folder on the school bus. The next week when the class went to the lab to read their emails, Becky noticed that some of the students were giving her funny looks. She didn't understand why. One of her friends came up to her and said, "Thanks for the mean email! That wasn't very nice."

What do you think happened? How could this have been prevented? What should Becky do now?

[illegible]

## Case #6: The Case of the Mixed-Up Disks

Steven had just put the finishing touches on his essay for the Veteran's Day contest. He was really excited, and felt that he just knew that he was going to win. The essays had to be turned in by 9 am, so he had to hurry to get it to the office before the deadline. He still had 15 minutes to spare...plenty of time to print it out and take it downtown. He was just about to print when the computer made a funny noise and shut down. He got a little nervous and called for his Mom to come check it out.

His Mom came down and re-started the computer. Steven's file had been erased from the hard drive. Steven's Mom asked, "Did you make a back-up file like we had talked about?" Steven said, "Yes! I just backed it up this morning on a black disk. The trouble is...I don't know which disk it is." As he said this, Steven pointed to a big box of computer disks---all black and all unmarked.

It was great that Steven had a back-up of his file, but what other step should he have done? What would be a good name for his file?

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## Case #7: The Case of the Lost Files

Erin was in the middle of working on her project for the science fair. She wanted to make sure that she kept a back-up of her work just in case something happened to her original file. The problem was this: every night she would come home and pull her disk off of the filing cabinet and load it into the computer. Each time she did this, her disk was blank.

She explained the problem to her Dad. "Dad, I know this is going to sound crazy....But, last night before I went to bed, my file was backed-up on this disk. I KNOW it was. The strangest part is that this happens *every* night."

Erin's Dad thought about it for a moment. "Erin, did you say that you pulled your disk off of the metal filing cabinet?" "Yeah, Dad. What's the big deal about that?"

Erin's Dad walked over to the filing cabinet. "Is this the magnet that you use to hold your disk?" Erin nodded yes. "Well, then I think I have solved your problem!"

What do you think happened? How could this problem have been prevented?

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