



Forest

www.ragtimecomics.com





Essential Standard

- 6.ATOD.2 - Understand the health risks associated with alcohol, tobacco, and other drug use.



Clarifying Objective

- 6.ATOD.2.2 - Summarize the short-term and long-term effects of being exposed to secondhand smoke.



United Streaming

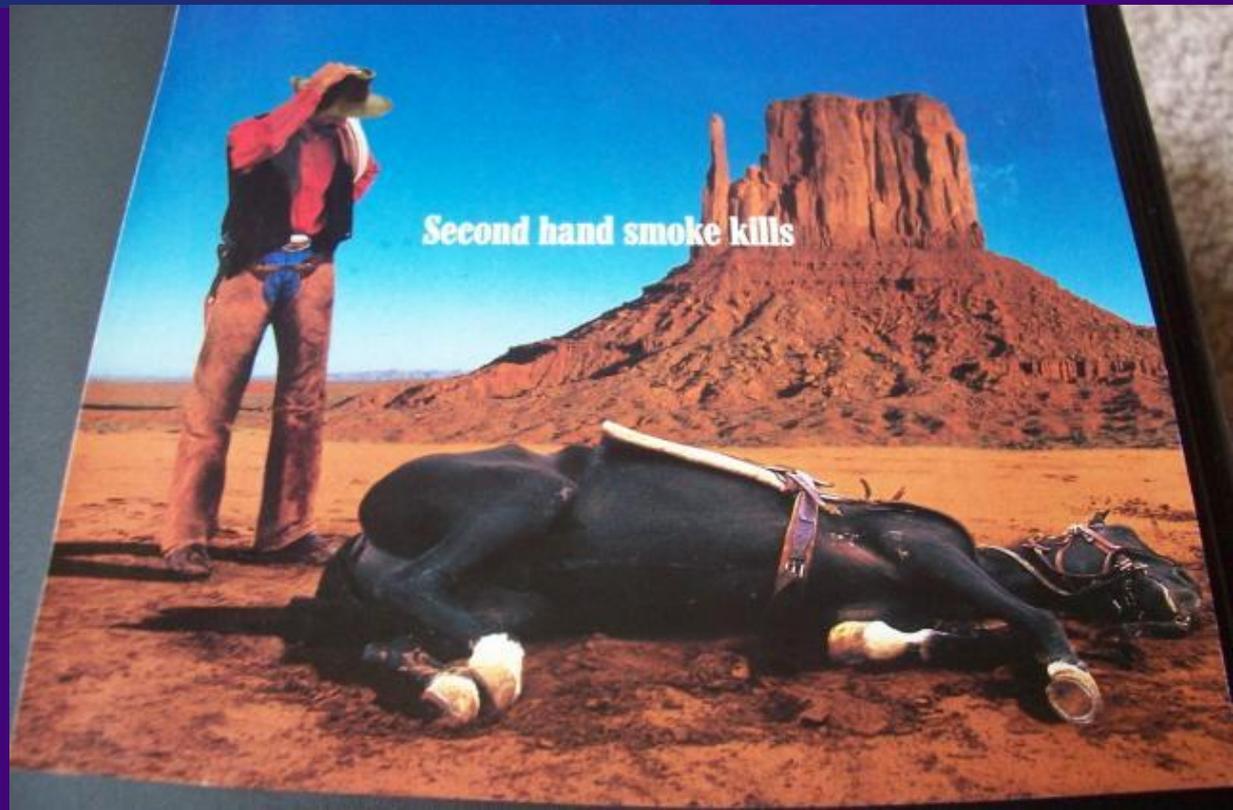
- Not Just Blowing Smoke



ONE WEAPON THAT KILLS FROM BOTH ENDS.

SECONDHAND SMOKE KILLS.

CALIFORNIA DEPARTMENT OF HEALTH SERVICES
PAID FOR BY THE TOBACCO TAX INITIATIVE



Secondhand Smoke

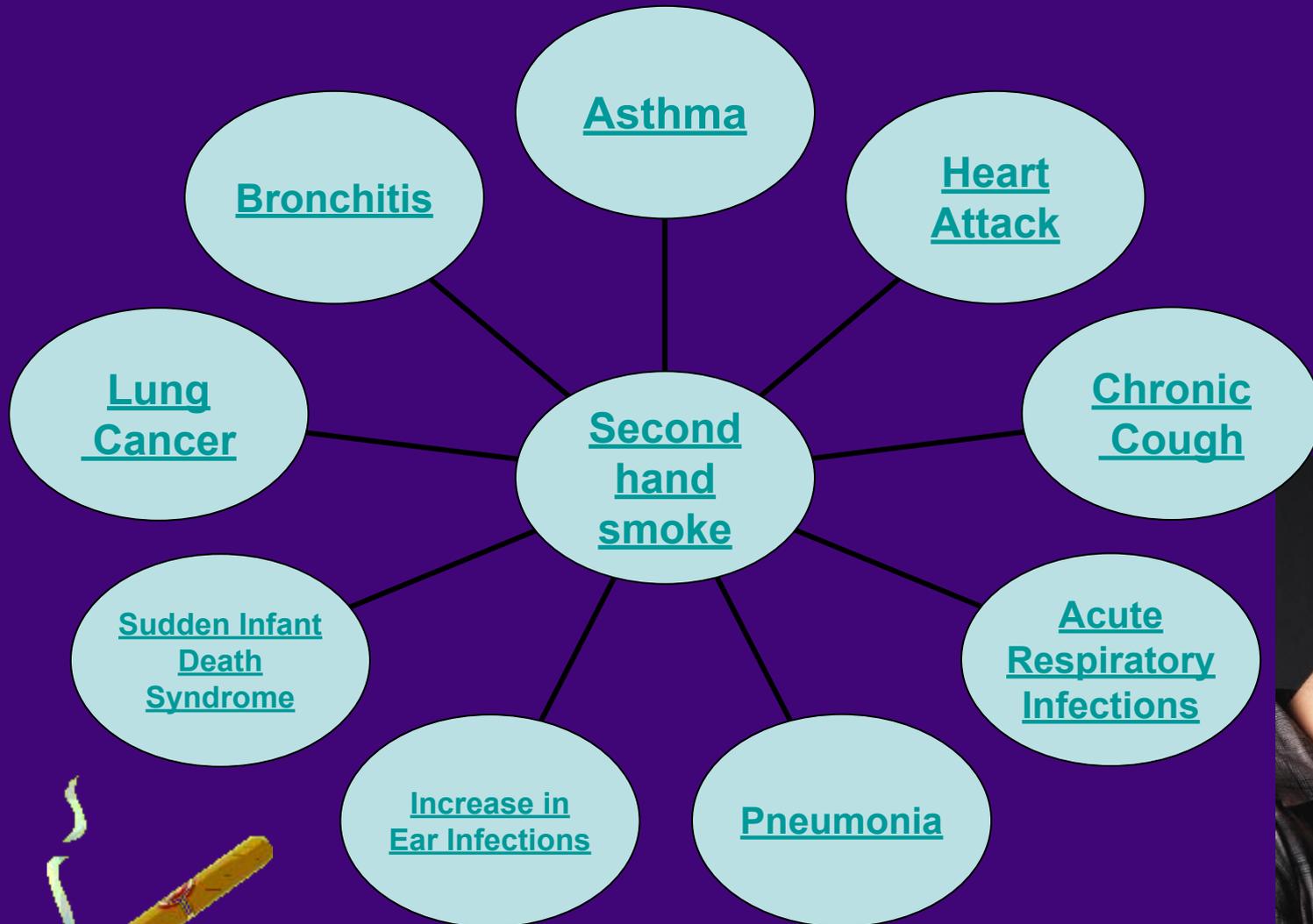




What is Secondhand Smoke?

- Secondhand smoke is made up of sidestream smoke (the smoke released from the burning end of a cigarette) and exhaled mainstream smoke (the smoke exhaled by the smoker).

Secondhand Smoke Health Problems



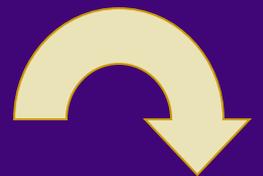
Asthma

- Secondhand smoke can trigger an asthma attack.
- Children with asthma who are around secondhand smoke have worse asthma attacks and attacks more often than children who are not exposed to secondhand smoke.



Bronchitis

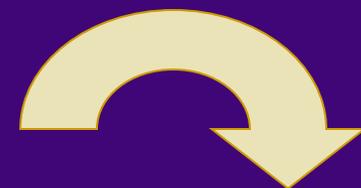
- Studies show older children whose parents smoke get sick more often.
- Their lungs develop more slowly because of secondhand smoke so they have bronchitis more often than the children of nonsmokers.





Lung Cancer

- Nonsmokers who are exposed to secondhand smoke at home or at work increase their risk of developing lung cancer by 20–30 percent.





Heart Attack

- Breathing secondhand smoke for even a short time can...
 - damage the lining of blood vessels
 - Cause blood platelets to stick together
 - Decrease in blood flow
- This increases the risk of a heart attack.
- Secondhand smoke causes heart attacks in people who do not smoke, it increases their risk of developing heart disease by 25-30 percent.



Sudden Infant Death Syndrome

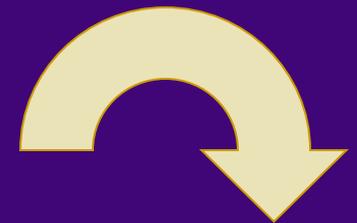
- SIDS is the sudden, unexplained, unexpected death of an infant under the age of one.
- Tobacco smoke harms babies before and after they are born.
- Babies whose mothers smoke during pregnancy AND babies who are exposed to secondhand smoke are more likely to die from SIDS than babies who are not in these smoking environments.



Acute Respiratory Infections



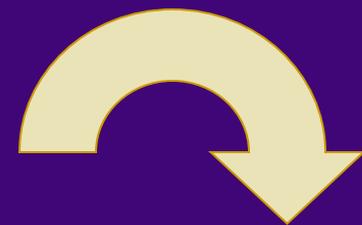
- The lungs of babies and children who are exposed to secondhand smoke develop slower which causes more respiratory infections than children of nonsmokers.





Increase in Ear Infections

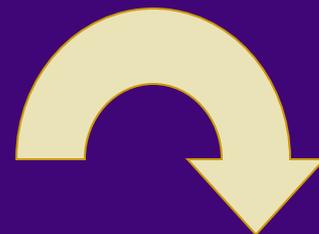
- Children whose parents smoke around them have more ear infections.
- They also have fluid in their ears more often and have more operations to put in ear tubes for drainage.





Pneumonia

- Children exposed to secondhand smoke experience pneumonia more often than the children of nonsmokers.





- Cigarette smoke contains more than 7,000 chemical compounds.
- Secondhand smoke contains many of the same chemicals that are present in the smoke inhaled by smokers.
- Secondhand smoke contains at least 250 chemicals that are known to be toxic or carcinogenic (cancer- causing).



- Some of the chemicals present in secondhand smoke are known toxins.
- Since sidestream smoke is generated at lower temperatures and under different conditions than mainstream smoke, it contains higher concentrations of many of the toxins found in cigarette smoke inhaled by smokers.



Conclusions

- Infants and small children are especially vulnerable to the poisons in secondhand smoke because their bodies are developing.



Conclusions

- Babies whose mothers smoke during pregnancy or who are exposed to secondhand smoke after birth have weaker lungs than other babies which increases the risk for many health problems.
- These problems can continue as they get older and can even continue into adulthood.



Conclusions

- The Surgeon General has concluded that there is no risk-free level of secondhand smoke exposure. Even brief exposures can be harmful.

Unexpected Ways to be Exposed to Secondhand Smoke

- Riding in the car with someone who is smoking even if the window is down.
- Being in a home when someone is smoking even if you are not in the room with them.
- Working in a building, or warehouse where smoking is permitted even if there is a filter or ventilation system.





What has been done to decrease exposure to secondhand smoke?

- Nonsmoking sections in restaurants
- Smoke-free buildings
- Smoke-free schools

Where is third-hand
smoke?



It's Everywhere!



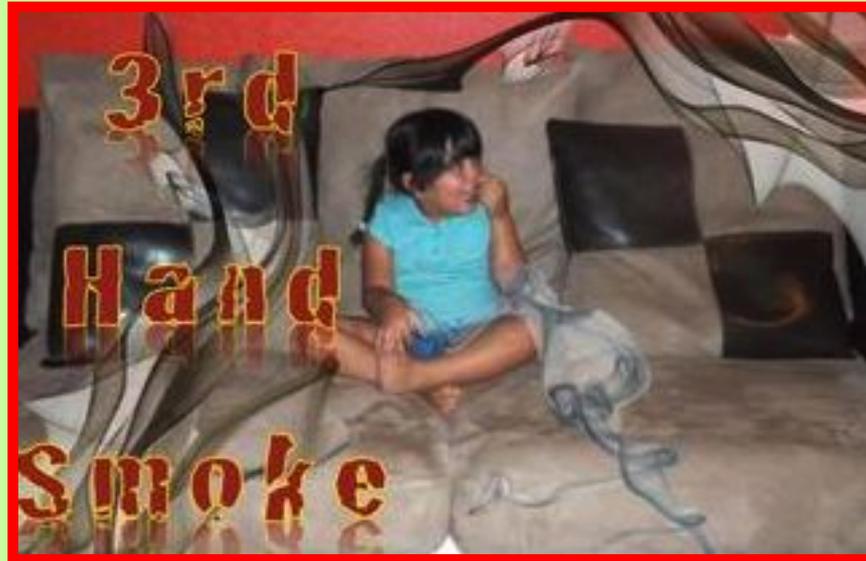
- Clothing
- Hair
- Skin
- Rugs
- Draperies
- Walls
- Ceilings
- Furniture

How is third-hand smoke transferred?

- It can rub off skin
- It can be absorbed through skin
- It can be carried by dust
- It can become airborne and be inhaled
- It can be ingested



Dr. Nancy Snyderman explains . . .



<http://www.youtube.com/watch?v=VOJiP-itzck>

****Must be in 'display' mode for video to play.****

Independent Practice:

- *Now that we know that any exposure to secondhand smoke is dangerous, it is important to find out ways to speak out about the dangers. This includes exposure in the home, public places, and at work. It is important for you to find out what laws are already in place in North Carolina and in your county. There are a few states that have more restrictions for smoking than North Carolina.*
- *The states of Delaware, Massachusetts, New Jersey, New York, Rhode Island, and Washington have comprehensive statewide laws in place that make almost all workplaces and public places, including restaurants and bars, smoke-free.*
- *Your assignment is to advocate in some way for making all public places and workplaces smoke-free.*



- Put students in pairs. Assign each pair one of the following: home, workplaces, or public places.
- Each pair can do one of the following assignments:
 - Pamphlets to be distributed to students at other grade levels
 - Letters to lawmakers
 - An informational video clip for a school wide news program or an article for the school newspaper
 - Letters to the Editor for local newspaper
- Each pair needs to read fact sheets on secondhand smoke and do research in preparation for doing this project. Once each pair has decided which assignment they will develop, (pamphlet, letter or school news program). Give each group the rubric for their project (Appendices 2a,b; 3a,b; and 4a,b).

Secondhand Smoke: School News Report

CATEGORY	12 points	9 points	6 points	3 points
Research	Group researched the subject and integrated 3 or more "tidbits" from their research into their newscast.	Group researched the subject and integrated 2 "tidbits" from their research into their newscast.	Group researched the subject and integrated 1 "tidbit" from their research into their newscast.	Either no research was done or it was not clear that the group used it in the newscast.
Group Work	The group functioned exceptionally well. All members listened to, shared with and supported the efforts of others. The group (all members) was almost always on task!	The group functioned pretty well. Most members listened to, shared with and supported the efforts of others. The group (all members) was almost always on task!	The group functioned fairly well but was dominated by one or two members. The group (all members) was almost always on task!	Some members of the group were often off task AND/OR were disrespectful to others in the group AND/OR were typically disregarded by other group members.
Accuracy of Facts	All supportive facts are reported accurately (3 of 3).	Almost all facts are reported accurately (2 of 3).	One fact is reported accurately.	No facts are reported accurately OR no facts were reported.
Point of View - Purpose	Newscast establishes a purpose at the beginning and maintains that focus throughout!	Establishes a purpose at the beginning, but occasionally wanders from that focus.	The purpose is somewhat clear but many aspects of the newscast seem only slightly related.	It was difficult to figure out the purpose of the newscast.
Speaks clearly	Speaks clearly and distinctly all of the time and there was no mispronunciation of words.	Speaks clearly and distinctly all of the time, but there were some mispronunciations of words.	Speaks clearly and distinctly most of the time and there were several mispronunciations of words.	Does NOT speak clearly and distinctly most of the time AND/OR there were several mispronunciations of words.
Enthusiasm	Facial expression and body language show a strong interest and enthusiasm about the topic throughout the newscast, but it is not overdone.	Facial expression and body language show a strong interest and enthusiasm about the topic throughout the newscast, but it is somewhat overdone.	Facial expression and body language show some interest and enthusiasm about the topic throughout the newscast.	Facial expression and body language depict apathy or boredom with the topic.
Duration of presentation	The newscast was between 1-2 minutes and did not seem hurried or too slow.	The newscast was between 1-2 minutes but seemed SLIGHTLY hurried or too slow.	The newscast was between 1-2 minutes but seemed VERY hurried or too slow.	The newscast was too long or too short.
Written Script and Resource List	The written script was submitted prior to the taping of the newscast. The reference list for factual information included in the newscast was complete.	The written script was submitted prior to the taping of the newscast. The reference list for factual information included in the newscast was not complete and/or not submitted.	The written script was not submitted prior to the taping of the newscast. The reference list for factual information included in the newscast was not complete.	The written script and reference list were not turned in.

Secondhand Smoke Letter

CATEGORY	12 points	9 points	6 points	3 points
Research	Group researched the subject and integrated 3 or more "tidbits" from their research into their letter.	Group researched the subject and integrated 2 "tidbits" from their research into their letter.	Group researched the subject and integrated 1 "tidbit" from their research into their letter.	Either no research was done or it was not clear that the group used it in the letter.
Group Work	The group functioned exceptionally well. All members listened to, shared with and supported the efforts of others. The group (all members) was almost always on task!	The group functioned pretty well. Most members listened to, shared with and supported the efforts of others. The group (all members) was almost always on task!	The group functioned fairly well but was dominated by one or two members. The group (all members) was almost always on task!	Some members of the group were often off task AND/OR were disrespectful to others in the group AND/OR were typically disregarded by other group members.
Content Accuracy	The letter contains at least 5 accurate facts about the topic.	The letter contains 3-4 accurate facts about the topic.	The letter contains 1-2 accurate facts about the topic.	The letter contains no accurate facts about the topic.
Ideas	Ideas were expressed in a clear and organized fashion. It was a persuasive and effective letter advocating for smoke free environments.	Ideas were expressed in a pretty clear manner, but the organization could have been better. It was a moderately persuasive and effective letter advocating for smoke free environments.	Ideas were somewhat organized, but were not very clear. It was a somewhat persuasive and effective letter advocating for smoke free environments.	The letter seemed to be a collection of unrelated sentences. It was not a persuasive or effective letter advocating for smoke free environments.
Grammar & spelling (conventions)	Writer makes no errors in grammar or spelling.	Writer makes 1-2 errors in grammar and/or spelling.	Writer makes 3-4 errors in grammar and/or spelling	Writer makes more than 4 errors in grammar and/or spelling.
Sentences & Paragraphs	Sentences and paragraphs are complete, well-constructed and of varied structure.	All sentences are complete and well-constructed (no fragments, no run-ons). Paragraphing is generally done well.	Most sentences are complete and well-constructed. Paragraphing needs some work.	Many sentence fragments or run-on sentences OR paragraphing needs lots of work.
Format	Complies with all the requirements for a friendly letter.	Complies with almost all the requirements for a friendly letter.	Complies with several of the requirements for a friendly letter.	Complies with less than 75% of the requirements for a friendly letter.
Length	The letter is 10 or more sentences.	The letter is 8-9 sentences.	The letter is 5-7 sentences.	The letter is less than 5 sentences

Making A Brochure: Secondhand Smoke - You Can Make a Difference

CATEGORY	12 points	9 points	6 points	3 points
Research	Group researched the subject and integrated 5 or more "tidbits" from their research into their brochure. They included adequate information that would allow the reader to effectively gather more information and advocate for smoke free environments.	Group researched the subject and integrated 4 "tidbits" from their research into their brochure. They included some information that would allow the reader to effectively gather more information and advocate for smoke free environments.	Group researched the subject and integrated 3 "tidbits" from their research into their brochure. They did not include information that would allow the reader to effectively gather information and advocate for smoke free environments.	Either no research was done or it was not clear that the group used it in the brochure.
Group Work	The group functioned exceptionally well. All members listened to, shared with and supported the efforts of others. The group (all members) was almost always on task!	The group functioned pretty well. Most members listened to, shared with and supported the efforts of others. The group (all members) was almost always on task!	The group functioned fairly well but was dominated by one or two members. The group (all members) was almost always on task!	Some members of the group were often off task AND/OR were disrespectful to others in the group AND/OR were typically disregarded by other group members.
Content - Accuracy	All facts in the brochure are accurate.	90-95% of the facts in the brochure are accurate.	80-90% of the facts in the brochure are accurate.	Fewer than 80% of the facts in the brochure are accurate.
Writing - Organization	Each section in the brochure has a clear beginning, middle, and end.	Almost all sections of the brochure have a clear beginning, middle and end.	Most sections of the brochure have a clear beginning, middle and end.	Less than half of the sections of the brochure have a clear beginning, middle and end.
Writing - Mechanics	Capitalization and punctuation are correct throughout the brochure.	Capitalization and punctuation are correct throughout the brochure after feedback from an adult.	There are 1-2 capitalization and/or punctuation errors in the brochure even after feedback from an adult.	There are several capitalization or punctuation errors in the brochure even after feedback from an adult.
Writing - Grammar	There are no grammatical mistakes in the brochure.	There are no grammatical mistakes in the brochure after feedback from an adult.	There are 1-2 grammatical mistakes in the brochure even after feedback from an adult.	There are numerous grammatical mistakes in the brochure even after feedback from an adult.
Advocacy Effort	It was a persuasive and effective brochure advocating for smoke free environments.	It was a moderately persuasive and effective brochure advocating for smoke free environments.	It was a somewhat persuasive and effective brochure advocating for smoke free environments.	It was not a persuasive or effective brochure advocating for smoke free environments.



Closure:

- *You did a great job researching the facts on secondhand smoke and incorporating them successfully into your project. Hopefully, you will continue to speak out for smoke free public places.*