

Name: _____ Date: _____ Hr: _____

Addiction Webquest!

Suppose you have a friend who you believe is struggling with an addiction. You want to be supportive and helpful to your friend, but your knowledge on addiction is limited. You have tried to express your concerns to your friend, but he/she seems un-open to change. This webquest is designed to help you learn more about addiction and your end goal in completing it is to decide upon a plan of action you can take to help your friend.

- You will be visiting 4 websites to learn more about the topic of addiction! There are questions below to answer at each site.
- You will also respond to an interactive text-messaging screen about which of the 4 websites you liked the best and why.
- Finally, based on the information you explored throughout the webquest, you will create a plan telling what you feel you can do to best support your friend. This will be submitted as a blog post on the class blog, and must include references to at least 4 things learned while on this webquest. You must also comment on at least 2 others' initial posts.

Links for these websites can be found on jrjr.weebly.com. Click on the "Assignments" tab, then scroll down to "Week 9: Addiction Webquest".

Stop 1 – "HBO: Addiction: Understanding Addiction: What is Addiction?"

http://www.hbo.com/addiction/understanding_addiction/18_what_is_addiction.html

1. What is addiction?
2. Explain how the brains of addicted people have been modified. What comparison is made to illustrate what addiction is like?
3. Symptoms of addiction include tolerance and withdrawal. Define each.

Tolerance-

Withdrawal-

Name: _____ Date: _____ Hr: _____

4. When someone who has struggled with an addiction is in the recovery process and he/she gives in and goes back to using the substance, what is this called?

Stop 2- "Addiction and the Brain - TIME"

<http://www.time.com/time/interactive/0,31813,1640235,00.html>

5. Read the "Intro", and then click on the next tab, "Addiction and Brain Activity". The rate of glucose metabolism in the brain lowers for cocaine users, especially in the frontal lobes. For what 3 types of activity is this part of the brain responsible?
6. Use the interactive feature of this website and describe what happens someone's brain after cocaine use, both 10 and 100 days after the drug was last abused.
7. Click on the next tab, "The Science of Addiction". Read the text, examine the diagram, and then advance through the activity by clicking "Next". There are a total of 4 parts. Answer the questions below for each part.

Part 1

- a. What is the name of the neurotransmitter released in the brain that makes us feel good?

Part 2

- b. How do the neurons in the reward pathway communicate?

- c. What is the name of the space between neurons through which the signal is passed?

Part 3

- d. What happens after dopamine crosses YOUR ANSWER FROM "c" ABOVE?

Part 4

- e. Explain, in your own words, what is happening in the brain when addiction occurs?

8. Click on the final tab, "Types of Addiction". What are the 9 types of addiction shown here that many Americans struggle with? Please read the facts for each one, then just list each type below.

Name: _____ Date: _____ Hr: _____

- | | | |
|----|----|----|
| 1) | | 6) |
| 2) | 4) | 7) |
| 3) | 5) | 8) |

9. Do you know anyone who is either addicted already or who may be at risk for any of these types of addictions? Explain the at least 1 situation you can think of and tell why you suspect addiction or risk (make sure not use the person's actual name).

Stop 3 – “HBO: Addiction: Understanding Addiction: Why Do Some People Become Addicted?”

http://www.hbo.com/addiction/understanding_addiction/14_some_people_become_addicted.html

10. What are 5 risk factors for addiction?

- | | |
|----|----|
| 1) | 4) |
| 2) | 5) |
| 3) | |

Stop 4 – “HBO: Addiction: The Films”

<http://www.hbo.com/addiction/thefilm/index.html?current=5>

Select one video that you are you most interested in out of the 26 choices. Watch the video, then respond to the questions below.

11. Give a brief summary of the video.

12. Evaluate the video and provide support for your opinion. Please give at least 3 sentences.

13. Which of 4 websites visited along this webquest journey did you like the best/find the most helpful, and WHY?! Please include something you learned or found most interesting from the website you chose!

Name: _____ Date: _____ Hr: _____

*** After writing your response above for this last question (#13), share your thoughts with others by texting your answer to the phone number 87884. You must include the code @WIF43016 at the beginning of your message. The texting screen can be viewed underneath the webquest links on the Weebly.**

14. Go to the class blog, <http://oplandjrsr.blogspot.com/>, and leave a comment to post your plan of action to help your friend. You must include at least four references to things you learned from this webquest that you think will help you understand where your friend is coming from. You must also make 2 comments on others' postings. For further instructions, please see the blog.