MODULE 3: DRUGS & ADDICTION

Substance Abuse

CASE STUDY #2

Planning Notes:

- 1) **Teams**: 4-6 students
- 2) Length: 3-5 class 45-minute periods
- 3) **Resources:** computers for background research; copies of reading on risk factors, and copies of student workbook (Optional: butcher paper, pencils, markers, computer paper)

OVERVIEW:

Youth today face many risks, but drugs abuse remains near the top of the list. Drug abuse has serious consequences in our homes, schools, and communities. Risk and protective factors for drug abuse are plentiful; sorting out the multitude factors that influence drug abuse is important in order to understand the problem and develop solutions.

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The case study is focused on getting students to maximize their thinking in term of the breadth and depth of factors that influence a problem. It is also an opportunity for students to begin to question the relationships between variables

GOAL:

Organize a broad set risk and protective factors and outcomes in a visual tool that will help demonstrate the scope of the drug abuse and the many antecedents and connections between factors that influence the problem.

ROLE:

You! As a team of high school health science students, you have a tremendous opportunity to promote understanding and positive choices in your community!

OBJECTIVE:

Obj. 3.12: Identify connections between risk & protective factors and outcomes associated with a health problem (this includes the behaviors and antecedents leading to the health problem).

DELIVERABLES:

- 1) Factor-Outcome Web
- 2) Proposal for a SMART intervention

ASSESSMENT:

Your visual map will be evaluated on a rubric based on the organization, depth of thinking, and rigor of thinking. The intervention will be graded for effort, quality, and effectiveness.



Remind students that they should use the rubric to self-evaluate their work as well. This is a best practice that will help them manage their quality of work and have a clear sense of the expectations and grading criteria.

Case Introduction:

Risk & Protective Factors

The required reading can be shortened if necessary (for time or reading level especially). The most essential pages are pages 1-3.

Read Chapter 1: Risk and Protective Factors of the National Institute on Drug Abuse's report entitled, "Preventing Drug Use among Children and Adolescents." Answer the questions on the following page before, during and after reading.













IMPORTANT LINE IN REPORT (emphasize with students): "Please note, however, that most individuals at risk for drug abuse do not start using drugs or become addicted. Also, a risk factor for one person may not be for another."

Source: Robertson, EB, David, SL, and Rao, SA. Preventing Drug Use among Children and Adolescents (In Brief), Second Edition. National Institute on Drug Abuse. http://www.drugabuse.gov/sites/default/files/preventingdruguse_2.pdf>

Explore the Problem:

1. Before Reading:

Consider your own life. Think about home, school, the community, organizations or activities you are part of, your family, friends, the media, and anything else that has an influence on you or occupies your time. What factors, in your experience, have influenced your choice to use or not use drugs. List as many as you can!

This will be the beginning of their list that will be translated into a visual diagram (factor-outcome web).

2. During Reading:

Examine the five domains (or settings) on page 6 (first page of Ch. 1). Which domain (individual, family, peer, school, or community) do you think plays the **biggest role** in your decision to use or not use drugs? Which plays the **smallest role**? Explain.

3. After Reading:

What was most surprising or interesting to you about this issue? List at least one new and useful thing you learned from this reading.

Background Research:

1. Choose the specific drug you will focus on and circle your choice below:

own, at instructor discretion.

- a. Anabolic steroids
- b. Bath salts
- c. Cocaine
- d. Heroin
- e. Inhalants
- f. Marijuana
- g. MDMA (Ecstacy)
- h. Methamphetamine (Meth)
- i. Prescription Drugs
- i. Tobacco
- k. Alcohol
- 2. Conduct background research. Begin at the following website:

http://teens.drugabuse.gov/drug-facts

Note: For teams choosing ALCOHOL, the website above does not have information. Instead, begin at: www.cdc.gov/healthyyouth/alcoholdrug/

Student teams can be assigned to the drugs or choose their

3. Find additional credible sources (ex: CDC, NIH, WebMD, etc.) to gather additional background information.

If time permits, instructor may assign a minimum number of additional background research sources.

4. Record important information and your source citation information in the table on the following page:

Information					
Description of					
Description of					
drug (include routes of					
administration)					
How many					
teens abuse it?					
(include any					
other important data or statistics					
you find)					
, ,					
What are the					
short and					
long-term					
effects?					
II. dans II					
How does it					
affect the brain?					
Didiii:					
SOURCES:					
(Record your					
source in this box.					
Number them so you can footnote					
the information					
you list above.)					

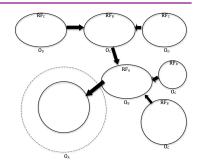
Identifying Risk & Protective Factors:

Using the reading, the web sources from your background research, and any other sources, list as risk and protective factors for abuse of your assigned drug in the table below.

Risk Factors		Protective Factors				
	web. If students wa web, that could be	Il end up on the factor-outcome ant to jump straight into creating the allowed. Some students will think to so the webbing process will trigger to include.				
SOURCES:						

Factor-Outcome Web:

Using your lists in the table above, create a Factor-Outcome web that encompasses all of the variables you have. As you create your web, you will likely add more variables as you go, because the connections you begin to see will give you new ideas. This is the benefit of creating a visual map of our thinking!



Students might want to do a very brief pencil sketch of a part of their web in the empty space here. Then they might want to collaborate with team members and create a larger web on butcher paper.

Identify Solutions:

Review your Factor-Outcome web. Choose one factor-outcome pair (two connected variables) and write them below:

Risk or Protective Factor:

Outcome:

Now you will propose a simple, yet SMART intervention aimed at reducing the negative risk factor you selected in order to improve the outcome OR promoting the positive protective factor to improve the outcome. Use the space below to brainstorm your intervention, then fill out the Intervention Proposal on the next page.

BRAINSTORM SPACE:

Provide students will examples of interventions and ask them to give brief feedback based on the criteria for grading the evaluations listed in the rubric. Providing a variety of intervention examples will help them think broadly without limiting their creativity.

Intervention Proposal:				
Drug: Name of Intervention: Factor/Outcome: Description:				
How is this intervention SMART? Specific: Measurable:				
Achievable (yet Ambitious!): Relevant: Time-bound:				
How would your intervention be evaluated in order to determine how it worked and whether it was successful or not?				

Rubric:

Your final Factor-Effect web and your Intervention Proposal will be graded using the rubric below.

Obj. 3.12: Identify connections between risk & protective factors and outcomes associated with a health problem (this includes the behaviors and antecedents leading to the health problem).

	Needs Improvement	Emerging Mastery	Partial Mastery	Mastery
Factor-Effect	Organization:	Organization:	Organization:	Organization:
Web	Web is very	Web is confusing	Web is visually	Web is visually
	confusing	or inaccessible	accessible	pleasing
	Depth: Includes	Depth: Includes	Depth: Includes	Depth: Includes
	less than 10	at least 10	at least 15	at least 20
	variables	variables	variables	variables
	Rigor: Variables	Rigor: Variables	Rigor: Variables	Rigor: Variables
	are too simplified	are somewhat	are mostly clear	are clear and
	or unclear	unclear	and detailed	detailed
Intervention	Effort: Idea is	Effort: Idea lacks	Effort: Somewhat	Effort: Creative
Proposal	incomplete	originality	Creative but may	and original
	Quality:	Quality:	lack originality	intervention
	Description	Description	Quality:	Quality:
	incomplete or	somewhat	Description	Description
	confusing.	unclear	provides fairly	provides clear
	Effectiveness:	Effectiveness:	clear explanation	explanation
	Missing or	Clear but is not	Effectiveness:	Effectiveness:
	incomplete	convincing or	Clear but is only	Clear and
	SMART criteria	does not meet	somewhat	convincing;
	and evaluation	SMART criteria or	convincing or	meets SMART
	plan	have a logical	does not meet	criteria, has
		evaluation plan	SMART criteria or	appropriate
			have a logical	evaluation plan
			evaluation plan	