Grade 10 Lesson Plan: Unit 27 – Don’t Be A Fool, Put Down the JUUL

SOLs
- 10.1.M Identify health-related social issues, such as organ donation, homelessness, the spread of infectious diseases, underage drinking, substance abuse, and violence, and their impact on the community.

Objectives/Goals
1. Student will be able to identify health-related risks of e-cigarette use.
2. Student will be able to explain the difference between water vapor and an aerosol.
3. Student will be able to explain how e-cigarettes work.

Materials
- K-W-L Worksheet
- Pre-Test (or use Kahoot!)
- Electronic Cigarettes and Vaping Video
- Don’t Be A Fool For JUUL PowerPoint or Prezi
- Exit Slip

Procedure

<table>
<thead>
<tr>
<th>Step #</th>
<th>Description</th>
<th>Objective # Addressed</th>
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</table>
| Step 1 | Essential Questions:  
  - Are there health risks associated with e-cigarettes?  
  - How do e-cigarettes work? |                       |
| Step 2 | As students begin to enter the classroom have them get started on a K-W-L worksheet at their desk.  
  - K-W-L is a way of having students record what they think they KNOW about a topic, what they WANT like to learn about a topic, and at the end of the unit they are able to fill in what they have LEARNED.  
    - Think-Pair-Share |                       |
| Step 3 | Have students complete a pre-test of their knowledge on the topic.  
  - Below is a paper copy of the pre-test |                       |
| Step 4 | Begin the PowerPoint or Prezi with Guided Notes  
  ● The first slide includes a short video of an overview of e-cigarettes. The video is linked under “Materials” above as well.  
  ● Guided Notes provided below | #1, 2, 3 |
|---|---|---|
| Step 5 | Revist K-W-L  
  ● End each class with adding information to what they have learned or answers to questions they had asked. | #1, 2, 3 |
| Step 6 | Exit Slip  
  ● Provided below | #2 |

### Assessment Idea

Exit Slip Provided Below

### References

- Marie Leake, M.A.T. Albemarle County Public Schools

### Handouts

- K-W-L Worksheet
- Pre-Test (or use Kahoot!)
- Guided Notes
- Exit Slip
K-W-L // Vaping and E-Cigarettes

<table>
<thead>
<tr>
<th>What do you know?</th>
<th>What do you want to know?</th>
<th>What did you learn?</th>
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</thead>
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Name: ___________________  Pd: _____  Date: _______

Health Smart Virginia Sample Lesson Plan

Grade 10 - Unit 27
E-Cigarettes Pre-Test

1. What does vaping produce?
   a. Smoke
   b. Vapor
   c. Aerosol
   d. Nothing

2. Vapes and e-cigarettes can explode and lead to death.
   a. True
   b. False

3. Which of the answers below are equal to the amount of nicotine in one JUUL pod?
   a. 1 Cigarette
   b. 5 Cigarettes
   c. Half a pack of cigarettes (10 cigarettes)
   d. A whole pack of cigarettes (20 cigarettes)

4. The use of e-cigarettes increases your chance of using tobacco products in the future.
   a. True
   b. False

5. Secondhand “smoke” from vapes can cause you harm.
   a. True
   b. False

6. The volatile organic compound, Benzene, is found in what:
   a. Car Exhaust
   b. Paint
   c. E-Cigarette Aerosol
   d. All of the above

7. You can purchase a JUUL pod without nicotine in it.
   a. True
   b. False

8. The national age to purchase nicotine products is:
   a. 18
   b. 20
   c. 21
   d. 19

9. Some states have raised the age to purchase nicotine products to:
a. 18
b. 20
c. 21
d. 19

10. Hawaii has outlawed the sale of all flavored e-juice products.
   a. True
   b. False
Don’t Be a Fool, Put Down the JUUL

Vaping is the act of inhaling and exhaling the ________________, often referred to as vapor.
The aerosol contains varying amounts of ________________ ________________.

How E-Cigarettes work:

1. Battery heats the ________________ ________________.
2. Heating component turns the e-liquid into an ________________.
3. Aerosol is inhaled into the ________________ then exhaled.
4. The chemicals from the aerosol are then absorbed into the ________________.

The age to purchase nicotine products has increased in the state of Virginia from _________ to _________ years of age.

Any questions you may have:
Don’t Be A Fool, Put Down The JUUL

Name:___________________    Pd:______    Date:________

E-Cigarettes produce _________.
   Smoke
   Vapor
   An Aerosol

What is the new age to purchase nicotine products in the state of Virginia?
   18 years old
   21 years old
   16 years old