### Summary

The seven lesson plans and videos that comprise *Ask, Listen, Learn: Kids and Alcohol Don’t Mix* were designed to be comprehensive. Our intention is for these lessons to supplement what may be taught in a health or science class, and also utilized by counselors, school nurses, and other administrators as prevention and readiness tools.

This content is focused on the physical effects alcohol can have on the body, and is intended to send a positive message to kids and encourage them to make healthy decisions. Our content is not designed to replace, but rather to amplify existing health and science curriculum in an engaging and positive manner.

Our lesson plan and video content supports Common Core State Standards, National Health Education Standards, and Next Generation Science Standards (Life Science). Please see the below matrix to learn how each lesson supports the standards.

### Lesson 1: Alcohol and Your Brain

<table>
<thead>
<tr>
<th>Content</th>
<th>Student Objectives</th>
<th>Classroom Activities</th>
<th>Assessment</th>
</tr>
</thead>
</table>
| • The job of neurotransmitters in the brain  
• How alcohol affects neurotransmitters | Students will be able to:  
• Conceptualize neurotransmission using physical movement  
• Communicate the way in which alcohol slows brain function through discussion questions and comparing information  
• Identify alcohol’s impact on neurotransmission | • Pre-lesson neurotransmitter activity  
• Video and class discussion  
• Read “Brain Drain” text and use a Venn diagram to compare to the video  
• Neuron Bobsled game | Formative:  
• Written discussion questions  
• Venn diagram  
• Vocabulary homework |

### Standards

**CCSS:**  
R1.5-7.1  
R1.5-7.2  
R1.5-7.4  
R1.5-7.7  
R1.5-7.10  
RST.6-8.1  
RST.6-8.2  
RST.6-8.4  
W.5-7.10  
WHST.6-8.10  
L.5-7.4  
SL.5-7.1

**NHEA:**  
1  
3

**NGSS**  
MS.LS1.2  
MS.LS1.3  
MS.LS1.8  
MS.LS1.5

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*To learn more about teaching units on the impacts of underage drinking and peer pressure, see additional lessons from Ask, Listen, Learn*
## Lesson 2: Alcohol and Your Developing Central Nervous System

### Content
- Further understanding of neurotransmitters
- How alcohol affects the central nervous system

### Student Objectives
- **Students will be able to:**
  - Conceptualize the functions of the central nervous system
  - Describe the functions of neurotransmitters
  - Communicate the way in which alcohol slows the central nervous system and identify specific affects it has on the body by writing and performing a skit
  - Understand that different factors, like weight and gender, contribute to the impact of alcohol on the body

### Classroom Activities
- Video and class discussion
- Central Nervous System Metaphor Skit
- Website text reading and discussion

### Assessment
- **Formative:**
  - Written discussion questions
  - Vocabulary homework
- **Formative/Summative:**
  - Performed skits

### Standards

**CCSS:**
- RI.5-7.1
- RI.5-7.2
- RI.5-7.4
- RI.5-7.7
- RI.5-7.10
- RST.6-8.1
- RST.6-8.2
- RST.6-8.4
- W.5-7.10
- WHST.6-8.10
- L.5-7.4
- L.5-7.5
- SL.5-7.1
- SL.5-7.2
- SL.5-7.4

**NHEA:**
- 1
- 3
- 4

**NGSS**
- MS.LS1.3
- MS.LS1.5

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See all lessons
### Lesson 3: Alcohol and Your Developing Cerebellum

<table>
<thead>
<tr>
<th>Content</th>
<th>Student Objectives</th>
<th>Classroom Activities</th>
<th>Assessment</th>
</tr>
</thead>
</table>
| • Cerebellum functionality  
• How alcohol affects coordination and motor skills | **Students will be able to:**  
• Identify the functions of the cerebellum  
• Communicate the impact of alcohol on the cerebellum  
• Recognize the physical effects alcohol can have on coordination and motor skills, both physical and verbal  
• Demonstrate the ability to use interpersonal communication skills to enhance health and avoid or reduce the health risks | • Video and class discussion  
• Clear communication discussion  
• Verbal Coordination Activity  
• Peer pressure discussion  
• Practice Saying No group activity | **Formative:**  
• Written discussion questions  
• Classroom discussion  
• Vocabulary homework  
**Formative/Summative:**  
• Practice Saying No worksheet |

### Standards

**CCSS:**  
- RI.5-7.1  
- RI.5-7.2  
- RI.5-7.4  
- RST.6-8.1  
- RST.6-8.2  
- RST.6-8.4  
- W.5-7.10  
- WHST.6-8.10  
- L.5-7.4  
- SL.5-7.1  
- SL.5-7.2

**NHEA:**  
- 1  
- 2  
- 4  
- 5

**NGSS:**  
- MS.LS1.3  
- MS.LS1.8

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## Alcohol and Your Developing Cerebral Cortex

<table>
<thead>
<tr>
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<th>Classroom Activities</th>
<th>Assessment</th>
</tr>
</thead>
</table>
| • Cerebellum functionality  
• How alcohol affects coordination and motor skills | **Students will be able to:**  
• Identify the functions of the cerebellum  
• Communicate the impact of alcohol on the cerebellum  
• Recognize the physical effects alcohol can have on coordination and motor skills, both physical and verbal  
• Demonstrate the ability to use interpersonal communication skills to enhance health and avoid or reduce the health risks | • Video and class discussion  
• Clear communication discussion  
• Verbal Coordination Activity  
• Peer pressure discussion  
• Practice Saying No group activity | **Formative:**  
• Written discussion questions  
• Classroom discussion  
• Vocabulary homework  
**Formative/Summative:**  
• Practice Saying No worksheet |

### Standards

**CCSS:**
- R1.5-7.1
- R1.5-7.2
- R1.5-7.4
- R1.5-7.10
- RST.6-8.1
- RST.6-8.2
- RST.6-8.4
- RST.5-7.10
- W.5-7.10

**NHEA:**
- 1
- 2
- 3
- 4
- 5
- 7
- 8

**NGSS**
- MS.LS1.2
- MS.LS1.3
- MS.LS1.8

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STANDARDS ALIGNMENT

LESSON 5 Alcohol and Your Developing Hippocampus

<table>
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<th>Classroom Activities</th>
<th>Assessment</th>
</tr>
</thead>
</table>
| • The hippocampus and its functions  
• How alcohol affects the hippocampus | **Students will be able to:**  
• Identify the functions of the hippocampus  
• Identify certain parts of the brain and their various functions  
• Communicate the effect of alcohol on the hippocampus through group work and physical movement  
• Comprehend concepts related to health promotion and prevention to enhance health | • Video and class discussion  
• Memory Storage activity  
• Explore Kids’ Health website  
• Brain diagram and review  
• Brain Scramble activity  
• “Focus: How the Brain Works” text reading and discussion questions | **Formative:**  
• Written discussion questions  
• Vocabulary homework  
• Brain diagram  
**Formative/Summative:**  
• “Focus: How the Brain Works” discussion questions |

Standards

**CCSS:**
• RI.5-7.1  
• RI.5-7.2  
• RI.5-7.4  
• RI.5-7.10  
• RST.6-8.1  
• RST.6-8.2  
• RST.6-8.4  
• RST.5-7.10  
• W.5-7.10  
• WHST.6-8.10  
• L.5-7.4  
• SL.5-7.1

**NHEA:**
• 1  
• 3  
• 4

**NGSS**
• MS.LS1.3  
• MS.LS1.8  
• MS.LS1.5

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# Lesson 6: Alcohol and Your Developing Hypothalamus

**Content**
- Hypothalamus functionality
- How the endocrine and nervous systems work together and impact hormone production
- How alcohol affects hormones

**Student Objectives**
- Students will be able to:
  - Identify the functions of the hypothalamus
  - Conceptualize the relationship between the endocrine and nervous systems, as well as hormone production by drafting an infographic that highlights this information
  - Recognize the effects of alcohol on hormones and write to persuade others about the dangers of drinking
  - Demonstrate the ability to use goal-setting skills to enhance health

**Classroom Activities**
- Video and class discussion
- Kids’ Health website reading and discussion
- “Protect Your Body” text read-aloud
- How alcohol affects the brain activity
- Design Your Own Infographic activity and writing assignment

**Assessment**
- **Formative:**
  - Written discussion questions
  - Vocabulary homework
  - How alcohol affects the brain activity
- **Formative/Summative:**
  - Goal-setting activity
- **Summative:**
  - Infographic and writing assignment

**Standards**

**CCSS:**
- RI.5-7.1
- RI.5-7.2
- RI.5-7.4
- RI.5-7.10
- RST.6-8.1
- RST.6-8.2
- RST.6-8.4
- RST.5-7.10
- W.5-7.1
- W.5-7.4
- W.5-7.8
- W.5-7.10
- WHST.6-8.1
- WHST.6-8.4
- WHST.6-8.8
- WHST.6-8.10
- L.5-7.1
- L.5-7.2
- L.5-7.3
- L.5-7.4
- SL.5-7.1
- SL.5-7.2
- SL.5-7.4
- SL.5-7.5

**NHEA:**
- 1
- 3
- 4
- 6
- 8

**NGSS**
- MS.LS1.3
- MS.LS1.8

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See all lessons

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### Lesson 7: Alcohol and Your Developing Medulla

#### Content
- Medulla functionality
- How alcohol affects the medulla
- Alcohol poisoning
- Determining credible and reliable sources

#### Student Objectives
- **Students will be able to:**
  - Identify the life-sustaining functions of the medulla
  - Recognize the effects of alcohol on the medulla
  - Conceptualize the severity of alcohol poisoning
  - Demonstrate the ability to access valid resources and services to enhance health

#### Classroom Activities
- Video and class discussion
- Alcohol poisoning review
- Too Much activity
- Alcohol facts vs. myths
- Appropriate Resources activity and summary

#### Assessment
**Formative:**
- Written discussion questions
- Vocabulary homework
- Appropriate Resources summary

**Summative:**
- Argumentative essay about why drinking alcohol is harmful for kids and adolescents

### Standards

**CCSS:**
- R.1.5-7.1
- R.1.5-7.2
- R.1.5-7.4
- R.1.5-7.6
- R.1.5-7.7
- R.1.5-7.8
- R.1.5-7.9
- R.1.5-7.10
- RST.6-8.1
- RST.6-8.2
- RST.6-8.4
- RST.6-8.6
- RST.6-8.7
- RST.6-8.8
- RST.6-8.9
- RST.5-7.10
- W.5-7.1
- W.5-7.4
- W.5-7.7
- W.5-7.8
- W.5-7.9
- W.5-7.10
- WHST.6-8.1
- WHST.6-8.4
- WHST.6-8.7
- WHST.6-8.8
- WHST.6-8.9
- WHST.6-8.10
- L.5-7.1
- L.5-7.2
- L.5-7.3
- L.5-7.4
- SL.5-7.1

**NHEA:**
- 1
- 3
- 4
- 8
- 8

**NGSS**
- MS.LS1.3
- MS.LS1.8
- MS.LS1.5

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