PROJECT: HEAD, NECK, SPINE Department of Health Final Report 2023





HNS Project Overview

• Online curriculum and resource for students & teachers

• Learning objectives and lessons align with National & Hawaii Content and Performance Standards III (HCPS III) for Health

- Content comprehension
- Self management
- Accessing valid resources
- Use interpersonal communication skills
- Advocate for health
- It is important for the students to receive this information at school, then share learned concepts to parents/guardians.



Components

- Pre- and Post- assessments
- 8 Modules with validated content
- Teacher Guidebook
- Teacher Dashboard/Gradebook
- Teacher lesson plans
- Take home activity/handouts

Intentional versus unintentional injuries

The risk of injury is so high that most people sustain a significant injury that negatively affects or impairs their activities of daily living in some way during their lifetime. These injuries can be classified as intentional or unintentional injuries.

· Intentional injuries result from acts of violence that cause harm to others or one's self (i.e. abuse, suicide, etc.).

· Unintentional injuries, on the other hand, are most often the result of accidents or risky behavior. Falls, poisoning, diving accidents, sports, and transportation incidents are common reasons for such injuries. The CDC reports that in the United States, unintentional injuries are the leading cause of death among youth 0-19 years of age.

or she is feeling.

Physical

Headache

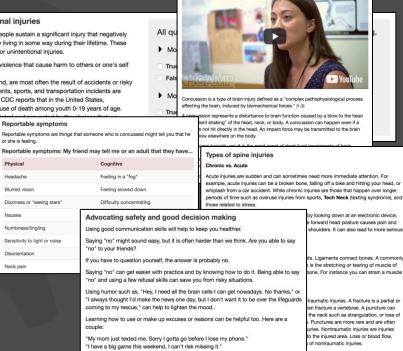
Nausea

Blurred vision

Disorientation

Neck pain

· Fortunately, most injuries can be premake.



What is a concussion?



Teacher Dashboard

CHCAMP

Project: Head, Neck, Spine - Teacher Dashboard Logged in as: Teacher Test, Aiea Intermediate

Gradebook

Section 1

Module selector

Module 8: Introduction to Prevention and Advocacy

Note: Modules MUST be deployed in sequential order.

Go								
au	J						13	Manabe
SECTIC	SECTION 1 Modules (check box to indicate rece					14	Manabe	
ID	Last	First	1	2	3	4	1111	Test2
13	Manabe	Shari	7/8	8/10	13/14	9/10		
14	Manabe	Shari	5/8	7/10	11/14	10/10	/0	/0
1111	Test2	Student	7/8	7/10	12/14			

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HCAMP

Head, Neck, and Spine education - Teacher Dashboard

Middle School Login

Logged in as: Teacher Test, Aiea Intermediate

Class roster editor

ID

Section 1 Section Last First Shari 1 ᅌ Update e Update Shari 1 1 Update Student

Middle School Login

» Go to gradebook

/0

10/10

82.2

81.1

Teacher Lesson Plans

PROJECT: HEAD, NECK, SPINE Module 1: Accidents happen							
	UNIT OBJECTIVES						
	idents often happen unexpectedly and ur ries.	intentionally. These		OVERVIEW			
 injuries. Throughout this learning experience you will learn more about the start off with an overview of injuries and how they happen. Students will be able to recognize risky behavior that can be start off with an overview of the start off with an overview off		tment, and advocat they happen.	 a unexpectedly. a Head, neck, and spine injuries can change your life on a temporary or permanent basis. b Proper precautions, awareness, and education can 	Intentional versus unintentional injuries » Intentional injuries result from acts of violence that cause harm to others or one's self. » Unintentional injuries, on the other hand, are most the result of accidents or risky behavior. Avoiding injury			
• St ber	TAKE HOME Module 1 handout	isky s.	Risky behavior » Risky behavior is any behavior with uncertainty about its outcome. » Avoiding risky behavior in your daily life will help to lower your risk of intentional and unintentional injury.	 » Staying informed » Knowing our limits » Being aware of our surrou » Practicing good decision » Using good judgment rath 	making		
_	 Review fasts facts handout with parent/guardian at home. List ten (10) examples of potential risky behaviors. 	MATERIALS NE		lative evaluation Jestions			
	 Draw an example and include a brief text description of one of the activities lis that could be considered a risk behavior. Get parent/guardian signature, detach and return. 	κy					
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IN ANALVIL

Take Home Activity/Handout/Worksheet

Module 1: Accidents happen			CT: HEAD, NECK, SPINE	
FASTI	FACTS			DETACH AND RETURN
Traumatic injuries often happen unexpectedly » Traumatic/life changing injuries often happen unexpectedly. » Head, neck, and spine injuries can change your life on a temporary or permanent basis. » Proper precautions, awareness, and education can decrease risk of life altering injuries. Risky behavior » Risky behavior is any behavior with uncertainty about its outcome. » Avoiding risky behavior in your daily life will help to lower your risk of intentional and unin-	Intentional versus Intentional injuries that cause harm to Unintentional injur most often the resubehavior. Avoiding injury Staying informed Knowing limits Being aware of sus Practicing good judgr 	s result others ries, on Ilt of ac urround decision	1. 2. 3. 4. 5. 6. 7. 8.	ehaviors, then draw an example and include a brief text description of one of
tentional injury.	others	nom ra	9	
			My child and I have discussed	what risky behaviors are and how injuries can be avoided.



Head, Neck, Spine modules

- Module 1: Injuries happen
- Module 2: Introduction to head injuries
- Module 3:Signs and symptoms of head injuries
- Module 4: Introduction to cervical/spine injuries
- Module 5:Recognizing Possible Neck and Spinal Cord Injuries
- Module 6: How to assist and processes of care
- Module 7: What to do next (Support system)
- Module 8:Introduction to Prevention and Advocacy



Educator Course - Number of Schools Represented per Island

Island	Number
Oahu	18
Maui	1
Kauai	2
Hawaii Island	4
Total Number of Schools	25



Educator Course Continue

Elementary Educators	#	
К	7	ſ
1st	1	
3rd	2	
4th	4	ľ
5th	1	
6th	1	
Administration	2	
Physical Education	1	
Total	19	
	ZAMI	P

Secondary Educators	#
Art/Music	5
Math	8
Science	7
Foreign language	3
PE	9
General	11
Administration	2
Unknown	1
Computer	2
English	1
Social Studies	3
Total	52

Educator Course Continue

Total Number of Elementary Educators	19	Total Number of Secondary Educators	52	Total Number of Educators	#
Average Pretest Scores	76.2%	Average Pretest Scores	73%	Started	71
Average Posttest Scores	83.8%	Average Posttest Scores	87.5%		
Percent difference	7.6%	Percent difference	14.5%	Finished	62



School Demographics

School Locations	
Oahu	15
Maui	3
Kauai	1
Hawaii Island	2
Total Schools	21

Schools by Grade Level	#
High School	12
Middle School	4
Upper Elementary	2
Lower Elementary	3
Total Schools	21



Homeschooled Students

Location	#
Oahu	19
Maui	1
Hawaii Island	1
Total	21

Student by Grade Level	#
High School	10
Middle School	3
Upper Elementary	4
Lower Elementary	4
Total Number of Students	21

Total Students	#
Started	21
Finished	9



Number of Students who used the Curriculum

Total number of students started	=	2162
Number of students at least half-way	=	1732
Number of students who finished	=	1346



Student Demographic Data

Demographics	2017-2019 N	2019-2020 N	2020-2021 N	2021-2022 N	2022-2023 N	Total N
Total number of students Started	732	329	456	379	266	2162
Number of students at least half-way	530	300	256	415	231	1732
Number of students who finished	39	671	240	363	33	1346



Middle & High School Students

Total Number of Students	2138
Average Pretest Scores	65.2%
Average Posttest Scores	77.5%
Percent difference	12.3%



Upper Elementary School Students

Total Number of Students	3
Average Pretest Scores	85%
Average Posttest Scores	100%
Percent difference	15%



Lower Elementary School Students

Total Number of Students	21
Average Pretest Scores	90%
Average Posttest Scores	93.3%
Percent difference	3.3%





