What, How & Why?

Hayley Yaglom, MS, MPH
Trisia Shannon, MPA, CNP
Background

0 RMSF Health Educator assessed need for prevention specific to the school-age community

0 “Don’t Let the Ticks Bite”
   0 California Department of Public Health

0 Goal of curriculum is to create age appropriate prevention messages and using Department of Education Standards
Intended Purpose

- The intended purpose was to create a curriculum designed specifically for children that aligned with the Department of Education standards. The curriculum focuses on prevention methods for RMSF.

- Idea developed from Kristen Herrick

- Tribal Communities created children related educational materials
  - Calendar

- Accessed a need
  - Health Educator
  - Health Education Workgroup (Tribal and Federal Partners)
RMSF Curriculum Development

0 Developed based on Arizona Dept. of Education science and health education standards
0 Target audience is elementary school students in grades 3-5
0 Designed as a standardized RMSF teaching tool
0 Include prevention strategies

Educational Community Input

0 Teachers and Educational Leaders
  0 (Sent to BIE and Department of Education for tribal leaders)

0 Evaluation Component
Objectives

- Ensure relevance for education staff
  - Teachers, Community educators
- Create a “Culture of Prevention”

<table>
<thead>
<tr>
<th>Objectives</th>
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<tbody>
<tr>
<td><strong>What is a tick:</strong></td>
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<tr>
<td>Brown Dog Tick</td>
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<tr>
<td>- Students will identify what a tick is</td>
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<tr>
<td>- Students will learn about the ticks natural habitat and dietary needs</td>
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<td>- Students will learn that Brown Dog ticks carry germs that will make you sick</td>
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<td><strong>The life cycle of a tick</strong></td>
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<tr>
<td>Life Cycle</td>
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<tr>
<td>- Students will learn the life cycle of a Brown Dog Tick</td>
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<td><strong>Prevention</strong></td>
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<td>- Students will learn how to protect themselves from tick bites and RMSF</td>
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<td>- Family Tick Checks</td>
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<td>- Use Insect Spray</td>
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<tr>
<td>- Students will learn about Rocky Mountain spotted fever and dogs</td>
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<tr>
<td>- Learn how Rocky Mountain spotted fever harms dogs</td>
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<tr>
<td>- Dog collar importance</td>
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<tr>
<td>- The importance of staying away from free roaming dogs</td>
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<tr>
<td>- Students will talk about Rocky Mountain spotted fever and ticks with peers</td>
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<td>- Students will learn 4 steps to remove tick from themselves or pets</td>
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<td>- Students will learn when to see a doctor or tell parents if they do not feel well</td>
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Curriculum Standards

- Aligned with Department of Education Standards
  - Reached out to the Department of Education
  - AZ Tribal Education Leaders Meeting

- 3 standards from the Arizona Department of Education Health Education Standards
  - Includes a science component but not directly related to a standard

Science
- Life cycles
- Ecosystem
- Biology

Health Education
- Influences on personal health
- Avoiding risky behaviors
- Appropriate use of health care
Health Education Standards

0 Strand 2: Analysis of Factors Affecting Health Behaviors

0 Strand 7: Ability to Practice Health—Enhancing Behaviors

0 Strand 1: Comprehension of Health Promotion & Disease Prevention Concepts
STRAND 2: Analysis of Factors Affecting Health Behaviors

Concept 1: External Influences on Personal Health:
The concept of understanding how family and peers can influence personal health.

PO 1. Describe how the family influences personal health practices and behaviors
Goal: Curriculum that includes activities that discuss the importance of family tick checks

PO 2. Identify the influence of culture on health practices and behaviors
Goal: Curriculum that includes activities that discuss the relationship with dogs (staying away from free roaming dogs)

PO 3. Describe how peers can influence healthy and unhealthy behaviors
Goal: Curriculum that includes activities that discuss how to talk to peers about tick prevention.

PO = Performance Objective
*AZ Department of Education
Goal: Curriculum that includes activities that promote tick awareness, removal, and prevention (e.g., use of insect repellent and dog collaring)

PO= Performance Objective
*AZ Department of Education
STRAND 1: Comprehension of Health Promotion and Disease Prevention Concepts

Concept 5: Use of Health Care:
The concept of understanding the benefits of making healthy choices.

PO 1. Describe when it is important to seek health care

Goal: Students will learn the important signs of when to see a doctor (Fever ≥2 days)

PO = Performance Objective
*AZ Department of Education
Student Learning Goals

KICK TICKS

Adult → Eggs → Larva → Nymph → Adult
RMSF Curriculum

- Lesson Plan (30-45 min)
- Grade Level: 3-5
- Can be modified to meet the presenters needs
- PDF Copy and PowerPoint will be provided
What do I need?

- Curriculum Instructions
- Lesson Directions
- Interactive PowerPoint
- 11 worksheets
- Tweezers (Teacher)
- Student/Teacher Evaluation

Quiz
- Two Options
  - Option A. Team Approach (2-4 Teams)
    - Game Show approach
    - Each team will answer one question and present
  - Option B. Group Approach
    - Teacher asks questions, Students volunteer
1, 2, 3 Let’s Stay Tick Free
Implementation - the basics

**Step 1**
- Student pre-assessment
- Record responses on teacher survey

**Step 2**
- 1,2,3 Let's Stay Tick Free
- Discussions/demonstrations

**Step 3**
- Worksheets
- Complete in class/at home

**Step 4**
- Student post-assessment
- Record responses on teacher survey
Implementation-get creative

- Curriculum is to serve as a basis

- Decide who is best in your community to teach this
  - Community health representatives
  - Animal control officers
  - Public health nurses
  - Empower the actual teachers

- Do what works for the class
- Options for the quiz provided
- Hands-on activities
Teacher Survey/Evaluation

0 Complete teacher survey!

0 Pre & post administration assessment for students
   0 Can send individual evaluations
   0 Fill-in student responses on teacher survey

0 General information about class

0 Comment about using curriculum as a teaching tool
Where do I send evaluations?

- Fax to 602-364-3199
  ATTN: Hayley Yaglom

- Mail to Hayley Yaglom
  Arizona Department of Health Services
  Office of Infectious Disease Services
  150 N. 18th Ave, Suite 140
  Phoenix, AZ 85007

- Questions?
  Email Hayley.Yaglom@azdhs.gov
  Call 602-542-2521
Looking to the Future

- One method to standardize educational outreach
- Assess/evaluate the knowledge
  - Children are most affected population
- Gather an understanding of teachers & health educators perceptions
- Create Partnerships
- Goal is to implement curriculum across statewide tribal communities
Questions?

0 Hayley Yaglom, MS, MPH
Hayley.Yaglom@azdhs.gov

0 Trisia Shannon, MPA, CNP
Trisia.Shannon@azdhs.gov