

## IPM CURRICULUM FOR PRINCIPALS

### LOW-RISK INTEGRATED PEST MANAGEMENT TRAINING

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#### INSTRUCTION UNITS IN THIS LESSON PLAN:

1. The low-risk IPM policy, what it does, what not to do, roles in policy implementation, Precautionary Principle.
2. IPM policy is a guide to reducing pesticide use.
3. Benefits of pest-free and least-toxic pesticide use environments. Address health and safety issues.

#### PERFORMANCE OBJECTIVES:

Unit #	Objective of Performance	Importance	Learning Difficulty
1	Know the IPM policy, understand roles in the policy, and know how to activate help to manage pests. Know the Precautionary Principle.	Very Important	Moderate
2	Know that the IPM Policy provides guidance to reducing the use of pesticides on sites, with the goal of not using any pesticides to manage pests. Understand health and safety issues for students and staff.	Very Important	Difficult
3	Understand that all other policies must conform to the low-risk pest management policy.	Important	Difficult

#### KEY:

IMPORTANCE:

Very important, important, not too important

OBJECTIVE OF PERFORMANCE:

Must know, be familiar, have knowledge, understand, perform, Demonstrate, etc.

LEARNING DIFFICULTY:

Difficult, Moderate, Easy, Moderate to Very Difficult

## PRINCIPAL LESSON PLAN

PREPARATION DATE: April 21, 2008

PREPARED BY: William E. Currie

UNIT OF INSTRUCTION: Low-risk IPM Policy Implementation

TITLE OF LESSON: Policy, roles, pest management help, incentives and benefits of IPM.

INSTRUCTIONAL OBJECTIVE: Participants will understand the low-risk IPM policy, their role in its implementation, and basic pest needs.

TIME ALLOTTED FOR LESSON:	1.5 – 2 hours
METHOD OF INSTRUCTION:	Lecture, guided discussion, PPT
INSTRUCTIONAL RESOURCES:	Manual, Experience, Lesson Plan
A/V EQUIPMENT:	Laptop, PPT, Flip chart and Stand, Screen

GENERAL PLAN OF PRESENTATION: Introductions, low-risk IPM policy, Precautionary Principle, reduced use of pesticides. Roles in implementing the IPM policy. Pest management help. Health and safety issues for students and staff. Exclusion, sanitation, habitat modification (clutter, food and water).

INTRODUCTION: Fire alarms and exits, restrooms, expect participation. Policy history. Innovative state-of-the-art policy.

EXPLANATION/APPLICATION/PRESENTATION:

IPM defined (risk reduction), Precautionary Principle. Approved list of products. Annual notification, special notification. Posting (72 hours or 5 half lives). Staff training.

Pest and pesticide-free environments have a positive impact on the learning conditions for students, staff, parents and the community.

Don'ts: Only licensed Pest Management Technicians apply pesticides. No ban – phase out pesticides as technology develops. Remove or eliminate clutter. Roles. Sanitation (no food or water). Observation and reporting. Pest sighting log. Facility Manager is the site point of contact. Pest Management log book in main office for public access. Pest Management Technician responds, monitors and baits, then follows up with other crafts for repairs. Student responsibility to clean up after themselves. Use trash containers.

Feral cats (and other animals) – do NOT allow food, water and shelter for them.  
No food in classrooms. If necessary, store in pest-proof metal containers.  
Report evidence of pest presence to your Facility Manager.

CONCLUSIONS/SUMMARY: Low-risk pest management requires dedication and may be tedious and time-consuming when performed correctly. A thorough understanding of why such procedures are so important frequently imparts a degree of significance to even the most mundane task. Pests live where conditions favor them. Good pest management practices prevent pest presence by eliminating pest access to their needs.

PRINCIPAL LESSON PLAN UNIT ONE

COURSE DESCRIPTION: Low-Risk Integrated Pest Management Implementation  
 SUBJECT MATTER: Policy, Roles, Precautionary Principle  
 UNIT OF INSTRUCTION: Unit 1: Lecture, PPT, Guided Discussion – 35 minutes

INSTRUCTIONAL PROCEDURE:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	Introduction, policy, history, implementation	Lecture	Easy
2	IPM defined (risk reduction) – Precautionary Principle – approved product list – implementation will take time.	Lecture	Easy
3	The low-risk IPM policy applies to all staff (including teachers) and students.	Lecture	Easy
4	What attracts pests to school sites? Food, water, shelter, temperature.	PPT, Guided Discussion	Moderate
5	The role of staff and students. No food (crumbs) available. Use trash receptacles. Eliminate (or report) leaks. Eliminate clutter (harborage). Report pest entry points (close doors and windows).	Guided Discussion	Moderate
6	Report pest activity to Facility Manager. Report breaches in exclusion, sanitation and habitat modification.	Lecture	Easy
7	Only licensed Pest Management Technicians may apply approved low-risk pesticides. Parents need to be notified 72 hours before treatment.	Lecture	Moderate

INSTRUCTIONAL SEQUENCE: What comes first, chronological order  
 METHOD OF INSTRUCTION: Lecture, demonstration, performance, discussion

PRINCIPAL LESSON PLAN UNIT TWO

COURSE DESCRIPTION: Low-Risk Integrated Pest Management Implementation  
 SUBJECT MATTER: Policy Guidance on Pesticide Use  
 UNIT OF INSTRUCTION: Unit 2: Lecture, Guided Discussion, PPT – 25 minutes

INSTRUCTIONAL PROCEDURE:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	Pest and pesticide-free environments have a positive impact on the learning conditions for students, teachers and staff.	Lecture	Guided Discussion
2	IPM policy provides guidance to reduce reliance on pesticides to manage pests.	Lecture	Easy
3	Review current and proposed pesticides often. Decide whether and how products may be used by PMTs.	Lecture	Moderate
4	Goal is to phase out the use of pesticides. Use exclusion, sanitation and habitat modification.	Lecture, Guided Discussion, PPT	Difficult

INSTRUCTIONAL SEQUENCE: What comes first, chronological order  
 METHOD OF INSTRUCTION: Lecture, demonstration, performance, discussion

PRINCIPAL LESSON PLAN UNIT THREE

COURSE DESCRIPTION: Low-Risk Integrated Pest Management Implementation  
 SUBJECT MATTER: Health and Safety of School Population, Building  
 UNIT OF INSTRUCTION: Unit 3: Lecture, Guided Discussion, PPT – 20 minutes

INSTRUCTIONAL PROCEDURE:

No.	Instructional Sequence (Tasks)	Instruction Method (Performance)	Learning Difficulty
1	Pests pose risks to students and staff, as well as compromising school building's structural integrity.	Lecture, Guided Discussion	Easy
2	Certain pests pose risk of various diseases.	Lecture, PPT, Guided Discussion	Moderate
3	Certain pests pose risk of biting humans.	Lecture, PPT, Guided Discussion	Moderate
4	Certain pests pose risk to the structural integrity of school buildings.	Lecture, PPT, Guided Discussion	Moderate
5	Student and staff health and safety, and maintaining the building's structural integrity are very important.	Guided Discussion	Easy

INSTRUCTIONAL SEQUENCE: What comes first, chronological order  
 METHOD OF INSTRUCTION: Lecture, demonstration, performance, discussion