

Lesson Plan Day 9 – How Can You Build an Environmentally Friendly Filter?

Level 3 Question(s) Addressed:	
<ul style="list-style-type: none"> How can you build an environmentally friendly filter? 	
Date(s) Day 9	
Content Standard(s):	NOS Aspects
<ul style="list-style-type: none"> 5.4b - the effect of temperature on the phases of matter 5.4e - mixtures including solutions 	<ul style="list-style-type: none"> Tenet 1 – Scientists use many methods to develop scientific knowledge. Tenet 2 – Science uses a blend of logic and imagination. Tenet 3 – Science is a social activity.
Student Objective(s) for this lesson:	
1. Objective 1 – Understand the similarities and differences between mixtures and solutions	
Misconceptions to address in this lesson:	
<ul style="list-style-type: none"> A. Misconception 1 – A solution is a type of mixture not a compound. B. Misconception 2 – Cold is the absence of heat, not a separate force. C. Misconception 3 – The difference between evaporation and boiling. 	
Safety Concerns in this lesson:	
<ul style="list-style-type: none"> Safety 1 – Spillage of water, creating a slipping hazard. 	