



## Lesson Plan

# What would happen if you were locked in an airtight room?

### Overview:

This reading activity describes what would happen if someone was locked in an airtight room.

### Curriculum Areas:

Science, Reading, Writing and Mathematics

### Objectives:

The main objective is for students to understand how the levels of gases in air would change if someone was locked in a sealed room. The article demonstrates that mathematic calculations can be used to make predictions.

### Implementation Ideas:

With the printed publication, students can independently complete the reading assignment. As a pre-reading or post-reading activity, the teacher can lead an activity described in the article in which students find out how long it would take to exhale and fill up a small trash bag. They can then calculate the volume of air they need in one hour and then one day. Comparisons can be made of the different calculations. The mixture of gases in the air should also be included in the discussion.

### Assessment:

A student worksheet, designed to assess reading comprehension, and the teacher key are provided online.