

Name : 

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Members  
of your team : 

## SCENT-SATION

Scents or fragrance is a very powerful trigger to our human brains. Some smells can be calming (lavender), others invigorating and mind-clearing (lemon and mint). Some of the best fragrances are made by plants. In this activity, you will learn how to make your own scented products. While doing so, ponder this: why do plants produce fragrance?

### Project Objectives

#### You have to:

1. Identify local scented plants.
2. Carry out research on a few simple methods to extract chemicals from these plants and produce your team's own scented product/s (essential oils, mosquito repellent etc.).

#### Equipment/Materials

According to your team's research: alcohol, oil, food press (i.e. garlic press), pot and bottles for keeping the essential oils.

### Suggested Steps

#### Session 1

1. Observe and identify some local scented plants (in the school garden or those given by your teacher).
2. Go to the computer room to do research on scented plants and answer these questions:
  - a) What causes fragrance in plants?

- b) How does having fragrance benefit plants?

- c) How have people used fragrances in plants?

- d) Select a scent (e.g. lemon oil). Do research on a simple method for extracting the scented chemical from its plant.

## Session 2

1. Obtain the necessary equipment and materials and extract the chemical.
2. Keep your product in attractive bottles and design labels for them. Give your product a creative name.
3. Ask your teacher and friends to give feedback about your team's new scented product.

## Tips

- The scent of plants is strongest in the morning and evening.
- You can refer to the 1001 Garden Plants in Singapore, (2nd Edition) National Parks Board or the Plant Reference website <http://www.floraweb.nparks.gov.sg>

