

PLANTS (teacher's notes)

FLOWERS, FRUITS AND SEEDS

About flowers:

- Angiosperms are the plants that produce flowers.
- If everything is fine the bud will develop into a flower.
- Depending on the plant, the sepals will remain or not in the flower.
- Some flowers have more than one pistil.
- Some plants have the female and the male parts in the same flower, other plants have them in different flowers or there are also plants that have their flowers in different plants.

About pollination:

There is self-pollination (the pollen comes from the same plant) and cross-pollination (the pollen comes from another plant from the same species). Animals (insects, birds...) are attracted to the flowers by their bright colours, by nectar (food) and by sweet scents.

About fertilization:

If you open a pea pod and one of the peas hasn't grown it's because it hasn't been fertilized

About seeds and fruits:

- The seeds of a conifer tree are not contained in fruits, they are contained in cones!
- Animals can disperse seeds or fruits by eating them and passing them out in their droppings or hiding them. Some seeds or fruits catch on to animals' fur.
- Seeds or fruits dispersed by water have a waterproof shell.
- Seeds or fruits dispersed by wind are light.

Activity 7: Are seeds protected?

B)

- **Drupes** have one hard-case seed.
- **Berries** have many seeds.
- **Pomes** have a core with the seeds contained in a capsule.
- **Compound fruit** has many fruits and each fruit has a seed. They come from many ovaries in the same flower.

- **Nuts** have one seed covered by a hard shell.
- **Achenes** have one seed and some have papery wings.
- **Legumes** have the seeds attached to the case.
- **Grains** have their walls fused with the seed coat.

succulent fruit (they are fleshy)				dry fruit (they are dry cases)			
drupes	berries	pomes	compound fruit	nuts	achenes	legume	grain
plum, cherry...	orange...	apple...	raspberry, blackberry...	walnut, acorn...	ash...	pea...	wheat, barley

You can also bring a fruit with its sepals still on it such as, for example, a tomato.