

The Nectar and Pollen Game

The aim of the game is to get more nectar and pollen than the other colony of bees & students learn how efficient the bees' anatomy is at collecting both.

Materials.

A proboscis = Cardboard straws - cut into $\frac{1}{3}$. (enough for 1 Ss @)

Antennae = 4 x black pipe cleaners

Eyes = 2 x goggles

Legs = 2 pairs of black socks

About 60 black velcro dots - stuck onto the four socks.

Pollen = Lots of small pom poms/ cotton balls etc. (sorted into 2 lots)

Nectar = 2 shallow takeaway containers

2 see through plastic cups.

1 x honeycomb scorecard

Instructions

One table is set up with 2 takeaway containers filled with the same amount of water.

The first lot of pom poms are scattered evenly around the takeaway containers.

Ss are in two teams.

The teacher says go, the first pair of worker bees put on their legs, antennae, eyes and their proboscis and fly to the flower (shallow takeaway container) to gather as much nectar and pollen as they can in three seconds.

They must suck out some water while they are trying to stick as many pollen pom poms to their legs.

They race back, pass the antennae to the next person and take all of the pollen off the legs to put into the honeycomb. The hive bees count how many pieces of pollen the forager bee collected.

The second lot of pom poms are scattered around the flower so the second worker bees can go.

This continues until all of the worker bees have had a turn.

Add up all of the pollen that has been collected - who collected the most?

Also measure out the nectar. Which colony sucked up the most nectar?

