

Facilitation Notes

Engage ⌚ 5 min.

Engage pupils by asking what they know about bees and butterflies. Share the story of a new playground being built and how that could impact the bees and butterflies living there.

LEGO education

Flower Friends

I can talk about why bees and butterflies are important.
I can make a solution to a problem.
I can explain how humans impact living things.

Flower Friends

Pupils will create a solution that reduces the impact of humans on other living things in the local environment.

LEGO education

Flower Friends

How can we share a home with bees and butterflies?

A new playground is being built near you. Yay!
But what will happen to the bees and the butterflies living there?



0 | Objectives
You can introduce the pupils to the objective and learning outcomes of this lesson.

1 | Introduction
Ask pupils what they know about bees and butterflies. Some prompts could include:

- Where do you think bees and butterflies live?
- Have you ever seen a bee or a butterfly at school or home? What was it like?
- How could we share a home with bees and butterflies?

2 | Context
Ask pupils if they have ever built something in a sandpit or at the beach or added plants to a garden.

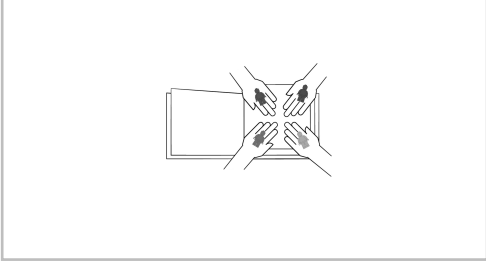
- What did they do to make space for their building or plants? (Dig.)
- What happened to the ground? (It was moved.)
- What happened to the nearby plants and flowers? (They had to be moved or they got covered in dirt.)
- What happened to the bees and butterflies living there? (They probably needed a new home.)

If pupils need support to connect their experiences to how building a playground might affect the land and its living things, you can:

- Share pictures of the land in a playground area before and after construction.
- Elaborate that the playground in this story is being built in a nature area full of plants, flowers, bees and butterflies.

Explore ⌚ 10 min.

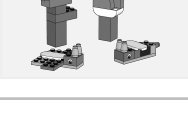
In groups of 4, pupils will build a bee, a butterfly and two flowers. They will role-play how the bee and butterfly fly around and pollinate the flowers.



Build:

- Bee
- Butterfly
- Flowers

Play with the bee, the butterfly and the flowers. Show how the bee and the butterfly visit the flowers.

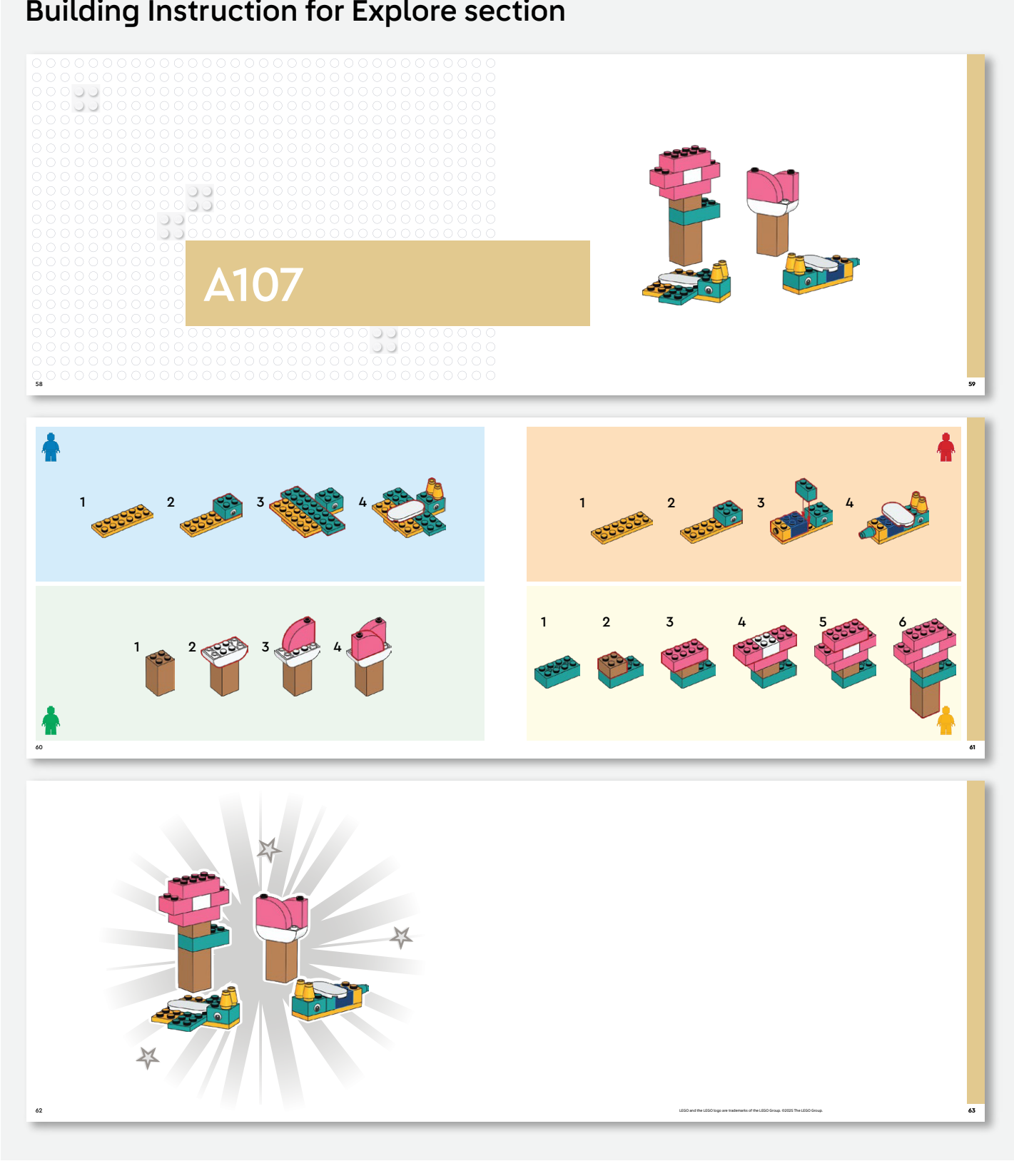


3 | Groups and Roles
Divide the pupils into groups of 4. Use the blue, red, green and yellow LEGO® minifigures to assign pupil roles and help each pupil find which part of the collaborative model they will build. They can find the corresponding blue, red, green and yellow LEGO minifigure icons in the building instructions.

4 | Build and Explore
When groups are finished building, encourage them to collaboratively role-play with the bee and butterfly, flying around and visiting the flowers. Depending on their background knowledge, pupils might role-play pollination or bees and butterflies landing on flowers. You can take this opportunity to ask pupils why this happens.

Building Instruction for Explore section

A107



Explain ⌚ 5 min.

Pupils will discuss why bees and butterflies are important and how the new playground will impact them.

Why are bees and butterflies important to have in an area? Will building the new playground impact them? How can we help?



5 | Share
As needed, reinforce or introduce the concept of ‘pollinators’ and their importance in an ecosystem. Ask pupils to consider how the new playground will change the land and impact the bees and butterflies living there. You can reinforce that playgrounds are really fun and we need them, but we can also consider the important life that is already there. You can also point out that bees do sting occasionally, so pupils might consider how to encourage the presence of bees while keeping play areas as safe as possible.

Elaborate ⌚ 15 min.

Pupils will build solutions to protect the bees and butterflies after the new playground has been built. Afterwards, pupils will share their solutions and relate this experience to real-life examples of ways to support insects in populated areas.

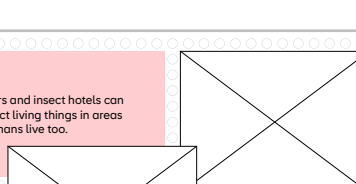
The bees and butterflies need our help! Keep these important pollinators in the area. Build something so they can stay after the new playground is built.



What did you build to help the bees and the butterflies? Explain how your idea works.



Wildflowers and insect hotels can help protect living things in areas where humans live too.



6 | Build
You can brainstorm a list of possible ideas to help groups get started. If pupils finish quickly, you can encourage them to build more than one solution. Here are some ideas:

- More flowers to attract additional bees and butterflies.
- An insect hotel to keep them sheltered.
- A new garden area around the playground.

7 | Share Your Build
To check pupil understanding, you can look for the following:

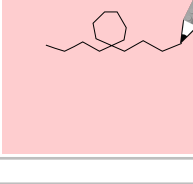
- Pupils can explain why bees and butterflies are important to an area.
- Pupils can model a solution that will minimise the human impact on bees and butterflies in an area.
- Pupils can explain how their solution works to help the bees and butterflies.

8 | In Real Life
You can talk about how the wildflowers and the insect hotel support living things. Have pupils compare these images to their own solutions and explain ways they are similar or different.

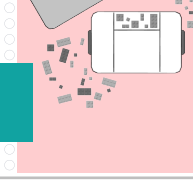
Evaluate ⌚ 5 min.

An optional evaluative prompt asks pupils to draw a picture of a way they can support insects in your local environment.

Draw something you can do to help the insects in your local area.



Clean Up



9 | Show What You Know
Depending on your pupils’ abilities, you can ask them to write short notes in their exercise book, draw pictures or use a combination of both.

10 | Clean Up