

# PLASTIC

*Changemakers*

## PLASTIC CHANGEMAKER EDUCATION PACK:

### Modules Outline



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# PLASTIC CHANGEMAKER EDUCATION PACK: Modules Outline



## Module 1: Plastic: The Story so far

- 3 lessons: 50 minutes each:
  - (I) The History of Plastic,
  - (II) The Journey of Plastic,
  - (III) The Impact of Plastic.
- Includes 3 group workstations for student exploration
- **Objectives:** learners will be able to:
  - Understand the benefits of plastic and why it was made/used & evaluate its usefulness
  - Analyze the path of plastic from human use to the ocean/environment
  - Evaluate the impact of plastic on humans, animals, and the environment



## Module 2: The 3Rs: Reduce, Reuse, Recycle

- 2 lessons each 50 minutes
- **Objectives:** learners will be able to:
  - Identify hidden plastics in everyday items and estimate the number of years that they take to decompose
  - Explain and distinguish between the 3Rs: Reduce, Reuse, Recycle and then sort items by material.
  - Identify better alternatives in their lives to reduce, reuse and recycle everyday items
  - Create a house pledge (set of guidelines to follow)

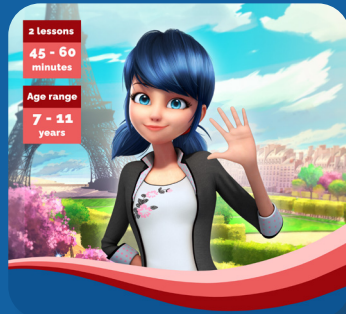


## Module 3: Innovation and Creativity

- 2 lessons each 50 minutes
- STEAM methodology for students to innovate solutions to the plastic crisis
- **Objectives:** learners will be able to:
  - Evaluate other learners' innovations that have attempted to solve the problems of plastic
  - Using STEAM methodologies, formulate a solution to an aspect of the plastic problem that could minimize or solve it

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### Module 4: Youth Empowerment and Leadership

- 2 lessons each 50 minutes
- **Objectives:** learners will be able to:
  - Understand what it means to be a leader and ways of demonstrating leadership
  - Identify and recognize several exceptional leaders
  - Compare examples of learners who are showing leadership in the fight against plastic
  - Develop skills to improve public speaking
  - Create a presentation/speech aimed at educating and influencing



### Module 5: Become an Advocate Against Plastic

- 2 lessons each 50 minutes
- **Objectives:** learners will be able to:
  - Understand what an environmental campaign is and how it can challenge and change people's attitudes towards the environment
  - Identify and recognize the key characteristics of environmental campaigns
  - Create a plastic-focused environmental campaign (it could be a short film, art installation, advertisement, poster, letter to the government) to spread awareness of the damage of plastic in the environment and action against the single use of plastic

# How to use the resources

- The 26-minute Miraculous Ladybug “Action” episode raises awareness about the global plastic crisis. It is targeted at primary school children aged 7-11. Primary teachers can stream the episode free of charge from the Breteau Foundation website and showcase it in the classroom.
- The episode “Action” is both educational and entertaining. The plot centres on Marinette, Adrien, and their friends wanting to actively fight plastic pollution in Paris. The young eco-warriors will be taken on a whirlwind adventure through which they will learn about the problem of plastic pollution and ways we can all make changes in our daily lives and influence those around us to make a mass change.
- The Plastic Changemaker Education Pack complements the Miraculous LadyBug “Action” episode. Consists of 5 classroom modules that are designed to be a complete theme for students to work through. however, the teacher can choose how and when to use the resources.
  - a. The theme can be introduced briefly by the teacher before watching the Miraculous Ladybug episode and then each module can be taught, using the intro and outro videos provided.
  - b. The intro and outro videos for each module are facilitated by a character in the episode. In the intro videos, the characters will take students through the module objectives and in the outro videos, the characters will remind students of what they’ve learned and how they can apply these learnings in their daily lives.
  - c. As time allows, the 5 modules can be taught in sequence over several days in a row (e.g. during a dedicated ‘environmental’ week) or a workshop a week over several weeks, or even spread out throughout the school year.
  - d. If a teacher has limited class time, selections of lessons can be made as each one can be taught separately from the others.
  - e. It is also possible for the teacher to pick and choose the module(s) he/she finds the most appropriate for their students. Each Module educational resource can be downloaded separately.
- Each module comes with key components that allow for adaptation in various classroom settings.
  - a. Powerpoints and printables are provided for the teacher to be able to choose which medium to use to display information.
  - b. Multiple differentiated and extension activities for varied levels of understanding. The teacher can choose which to use with the class, groups of students, or individual students.
  - c. Numeracy, Literacy, and STEAM activities are indicated with icons so that the content is directly linked to other areas of the local curriculum.

