

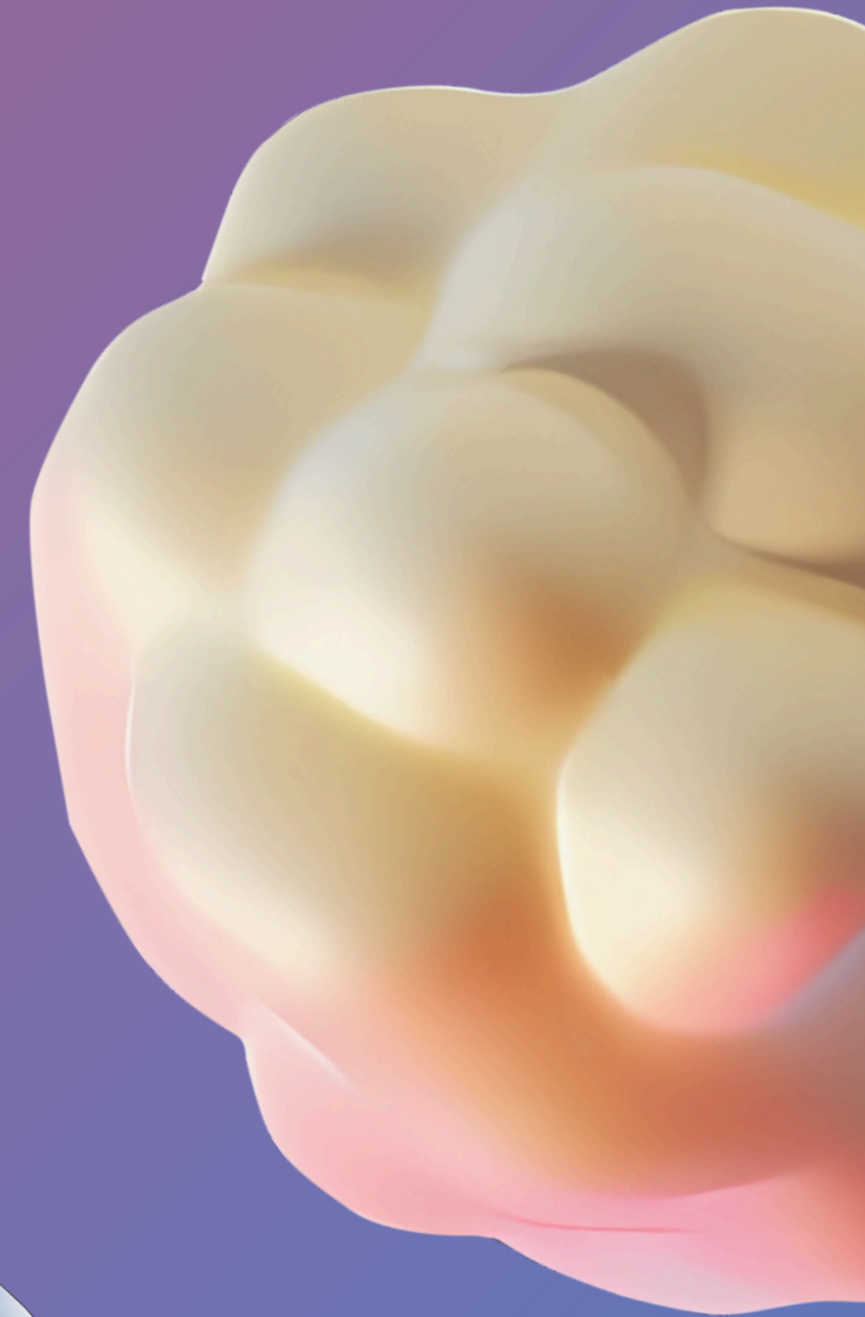
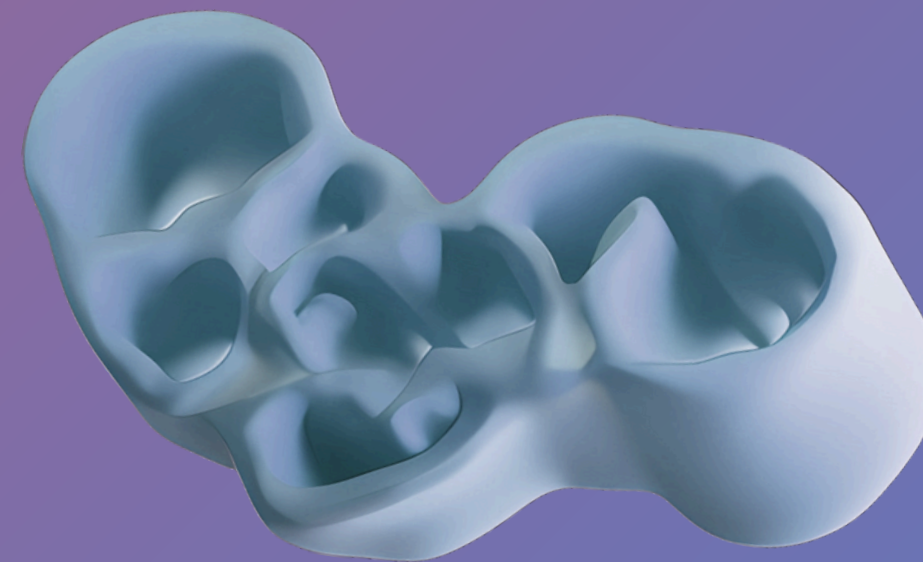
AI for Children

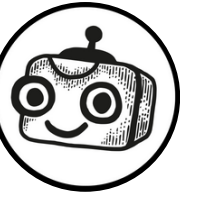
Artificial Intelligence Curriculum for Elementary and Secondary Schools

Biology

Plants Around Us

45 min lesson

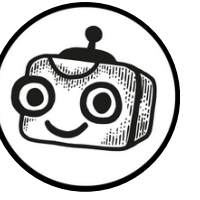




Pl@ntNet is an app for sharing and identifying plant images.

It learns to recognize plants largely through user-contributed data. Users can upload their own plant photos, indicate which part of the plant is shown, and let the app identify it. Other users can then vote to confirm whether the identification is correct or correct it if it's wrong.

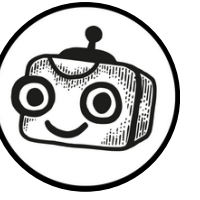
Thanks to this collaborative input, the app continuously improves. Over time, it builds a large, well-documented database of plant photographs.



1

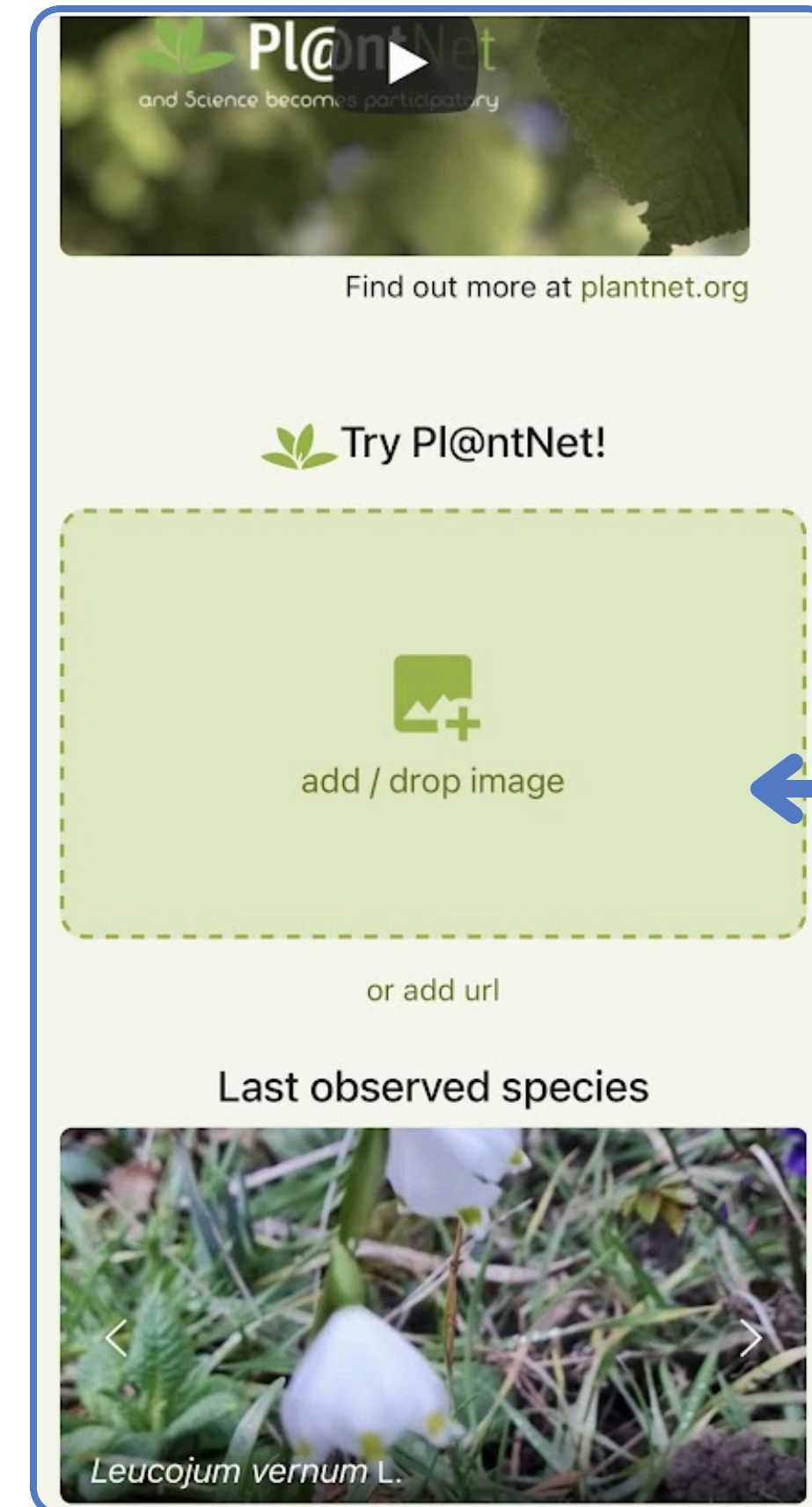


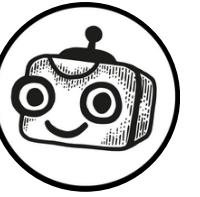
Pl@ntNet application



2

In the grey box titled
“Try Pl@ntNet!”, click on
“add/drop an image.”

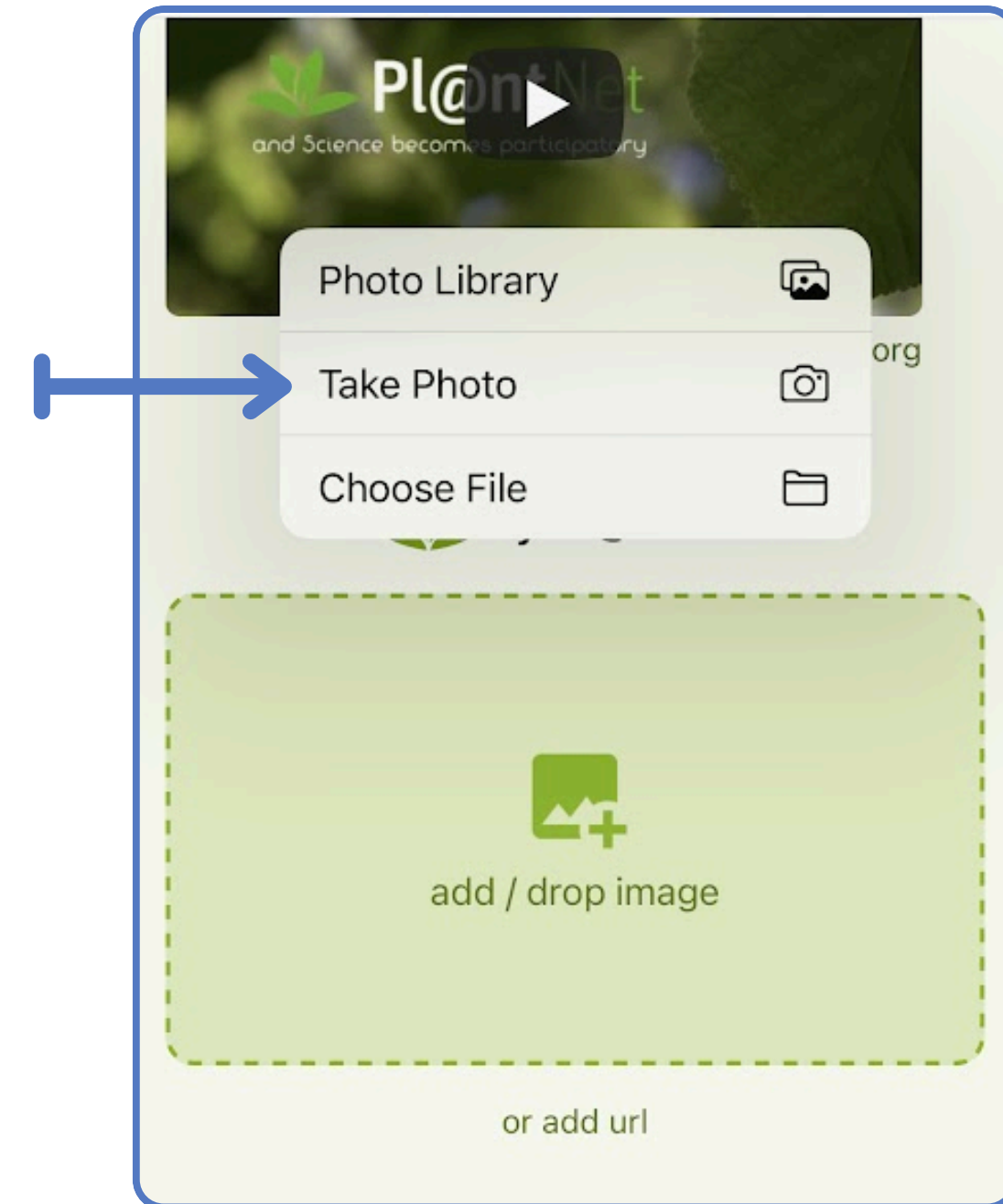


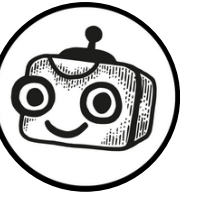


3

Select “Take Photo” as the input method. When it opens, take a photo of the plant – ideally against a plain background. Make sure the flower is in focus.

How to photograph a plant: Take a sharp, close-up photo of a flower, leaf, or fruit. Use a white sheet of paper as a background and focus on the plant, not what’s behind it. Avoid including other objects like fingers or pots.





4

After a moment, the app will display a list of plant suggestions. In addition to the names, pay attention to the percentage values—these indicate how confident the app is in each identification. Look at more photo examples and consider which of the suggested plants best matches the one you photographed.

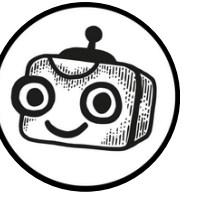
Pl@ntNet

Echinocereus polyacanthus Engelm....
Cactaceae
7.23%

Similar photos the app already knows — you can use them for comparison

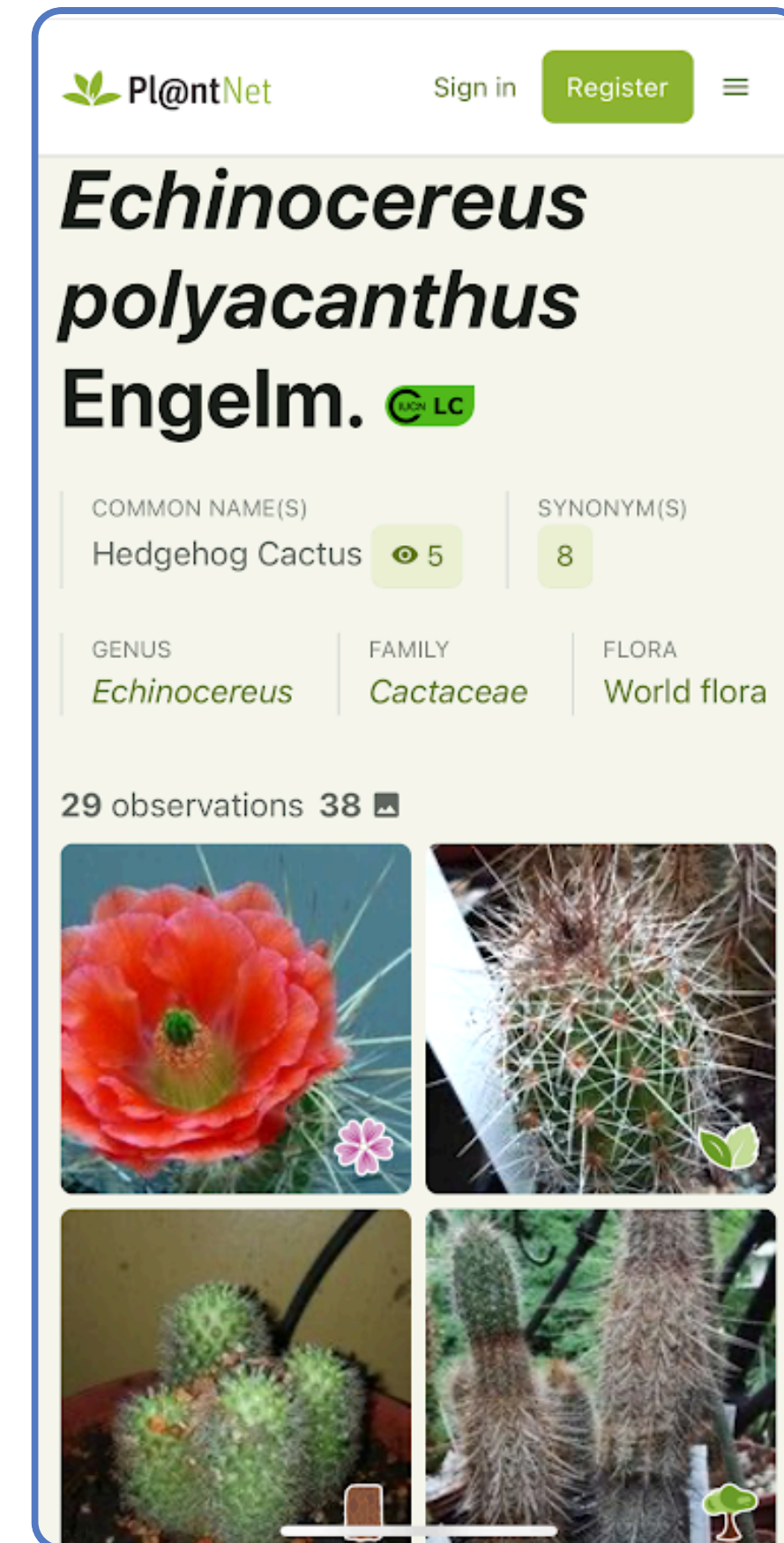
Echinocactus grusonii Hildm.
Cactaceae
5.29%

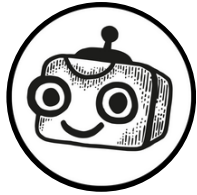
Other suggestions



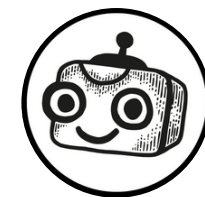
5

Tap on a plant name to open its details. You'll probably see more photos of the suggested plant, and you can also read additional information about it.





Plant Name	Plant Location	Condition



Plant name in English

Plant name in Latin

Family

Occurrence



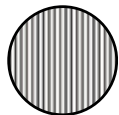
How often to fertilize

Date of last fertilization

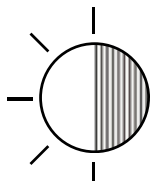
Who takes care of the plant

Ideal Placement

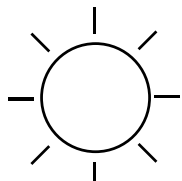
Color the symbol



Shade



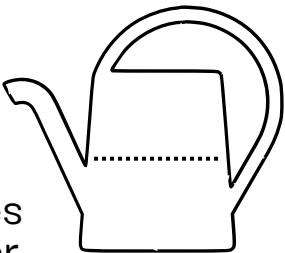
Partial shade



Direct sunlight

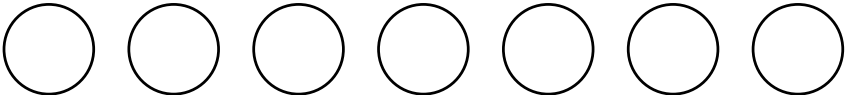
Watering

Write on the watering can how many times a week to water (higher number in winter, lower in summer)

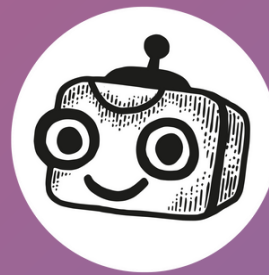


Which day(s) to water

Fill in the circles



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See you again in another lesson!

AI for Children's Artificial Intelligence Curriculum
Methodological Material for Elementary and Secondary
Schools - the Development of Digital Competence

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