



wildsight
EDUCATION

Pattern Logic Game

Learners will use math and logic skills to build a pattern from natural objects.



At least 10 items collected from nature. *Hint: the more objects you have, the easier the game will be.



Grades: K-5



15+ minutes



Pattern logic: Small yellow flower, small white flower, small white rock, small brown rock, small brown cone, small brown leaf, small green leaf, big green leaf

Introduction

You can play this by yourself or with a family member or friend. Start the game by choosing one object and placing it on your “board” (this can be on a table, on the ground, or on any surface that has a bit of room to house a collection of items laid out). The next object to be placed down has to match your first object in every way but one. For instance, if you first laid down a big brown cone, you could lay down a big green cone, or a small brown cone, or a big brown leaf. The third object has to match the second one in all ways but one. Keep going and see how long a sequence you can make with the objects on hand.

If you’re playing with someone else, you could try playing the first round by talking together about your patterns. The second time, you could play without talking and, while playing, try to guess what your partner is thinking. Be sure to discuss it together once the game is over, though!

You can run and collect more items that you think might help in the game and try playing it again.

Challenge

Looking at the items in the photo, can you find other objects that would circle the collection around back to the dandelion? (As in, how many items, or steps, does it take you to go from ‘big green leaf’ back to ‘small yellow flower’?) Show us your thinking - we’d love to see what people come up with!

Note:

When collecting objects, please make sure that you are being mindful. If you are taking leaves or petals, choose small samples that will not hurt the plant. Any insects or other small critters need to be put back in their homes after short observations, etc.