

STORMWATER SUPERHERO

Can you be the Landscape Architect who saves the schoolyard from flooding?



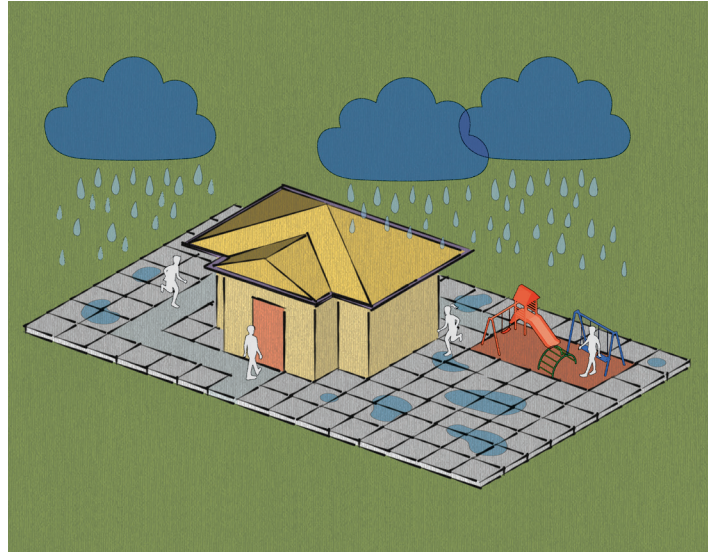
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Oh no! There was a big rainstorm at the school. Water is rushing across the playground, puddles are forming, and everything is getting muddy! Too much rainwater is running across the ground instead of soaking into the soil.

Landscape architects design the outdoor spaces around buildings, parks, and schools. One important part of their job is helping rainwater soak into the ground by using stormwater solutions.

They design things like paths, gardens, and rain collectors give water a place to go, preventing flooding and making outdoor spaces beautiful.



Today YOU are the landscape architect who will help save the schoolyard. Your mission is to turn it into a place that can handle rainy days and be a fun place to play. Create paths, add grass, and get creative!

How to Play:

1. Look at the schoolyard grid. Do you notice all the puddles? This is what you need to help fix.
2. Use the colored tiles to redesign the schoolyard. Each color represents a different stormwater solution. The more powerful stormwater solutions have the most points.
3. Think like a landscape architect! Where would paths, plants, trees, and water collectors make the schoolyard better for people and rainwater?
4. Cover each empty square in the schoolyard with one tile to create your design.
5. When you're done, count how many tiles you used and fill out the scorecard. An adult can help you do the math to find out your Stormwater Score!
6. If you reach the stormwater goal... you saved the schoolyard from flooding!

Scorecard:

STORMWATER SOLUTION	NUMBER OF TILES	POINTS EACH	TOTAL
GRASS		1	
PERMEABLE PAVEMENT		2	
RAIN GARDEN		3	
TREE		5	
RAIN BARREL		5	
Total Points:			
Goal:			200



STORMWATER STRATEGIES



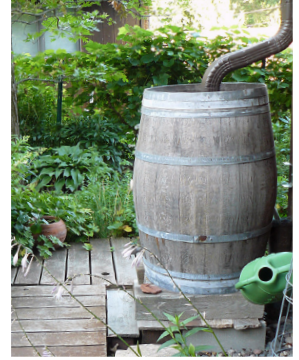
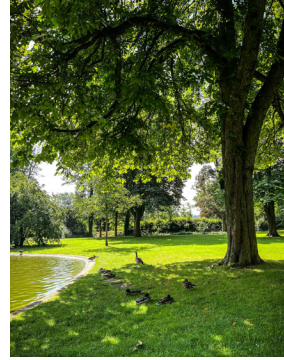
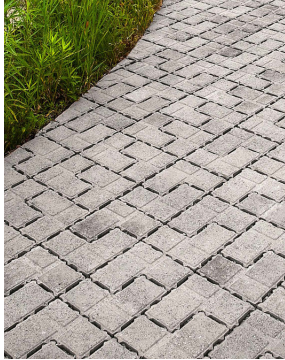
GRASS

PERMEABLE PAVEMENT

RAIN GARDEN

TREE

RAIN BARREL



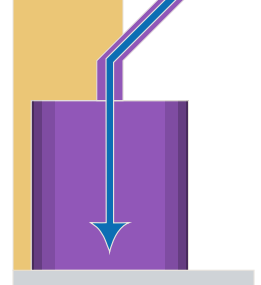
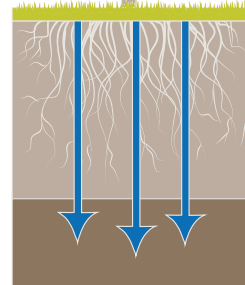
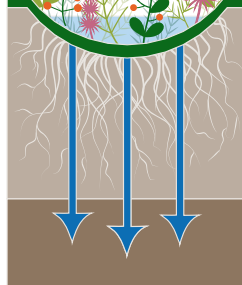
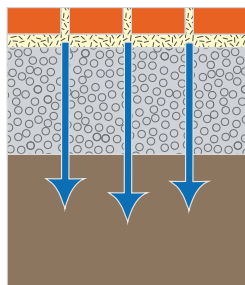
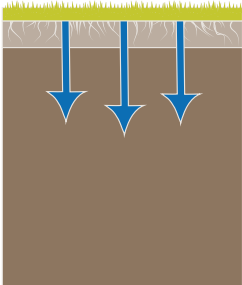
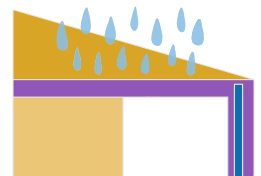
Grass is a great place to run and play, and it helps rainwater soak into the soil. But grass roots are short, so lawns can only soak up a little water during big storms.

This type of pavement has holes that allow water to sink into the ground! Use this stormwater solution to add paths that stay dry and are easy to walk on.

Rain gardens are planted dips in the ground that collect rainwater and let it slowly soak in. Their deep roots help absorb more water than grass, and the plants love the extra rain!

Trees are stormwater superheroes! They grow tall and have deep roots that drink up lots of water. They also create shade to keep people cool on sunny days.

Rain barrels are stormwater collectors. They catch water from rooftops and store it for later. Instead of forming puddles the water can be used to water plants and gardens!



1
POINT

2
POINTS

3
POINTS

5
POINTS

5
POINTS