

09/11/16 - Engagement with P5-6 class at Fernielea Primary School (23 pupils)

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I provided an introduction to the class on flooding, discussing soft natural landscapes (permeable) and hard built landscapes (impermeable).

We then discussed how we could make their playground more soft and allow the water to either be diverted, absorbed or retained in certain areas. I showed them a variety of Sustainable Drainage Systems (photographs) that could be integrated into their school grounds and asked them to pick at least 4 of their favourites. We discussed what the benefits would be to having these features in their school i.e. for learning, wildlife, amenity and flood control.

They then drew features onto a map of their school grounds and used their imagination to come up with lots of wonderful ideas of what they would like to see in their playground. We discussed what they could and couldn't do in wet weather and where different age groups etc. play in the school grounds to get an idea of where certain things should go.

I also set up a Lego station, where they had to build features that would stop, trap or move the water. They designed a wide range of structures including ponds, weirs, bridges and treehouses. The Lego boards were then filled with water, where we tracked the water movement. We added in a timed element to ensure everybody got a turn and delivered some fantastic results.

#### Summary of map exercise

<b>SuDS Features</b>	<b>Number of Votes</b>
Sunken Trampoline (with water storage pit underneath)	21
Swale (snake / meander shape)	20
Astroturf made permeable paving	18
Rainslide / Waterfall	17
Wildlife Pond / Swimming pool (viewing window)	16
Treehouse (over flooded ground) / keypad security entry	15
Rainwheel	12
Greenroof	9

Willow Tunnel	9
Raingarden / Flower Beds / Wildlife Garden	8
Rainchain, Pool and Rill	7
Rain harvesting (use water plants in Greenhouse)	7
Permeable Paving / Paths	7
Underground Base (with pump)	6
Climbing Wall / Climbing Frame	6
Kerb Planter	5
Rainchain and Spout	3
Obstacle course	3
Zipwire	2
Rounder's Pitch	2
Greenhouse (use water from rain harvester to water plants)	2
Small Dam / Weir	2
Benches	1
Whale sculpture with spouting water	1

