

Mobile Soils Classroom Program – MSC

Lessons now being used

The 3 Soil Particles	Don't Guess, Soil Test
Soil Shake Jars	Soil pH
Soil as Nature Filter	Available Water Capacity
Soil Texture (texture triangle, texturing by feel)	Measuring Slope
Till vs No-Till	The Living Soil
Soil Has a Charge	Soil Color
Hungry, Homeless, and Naked	Aggregate Stability – Slake Test
	It's Alive! Soil Macro Invertebrates

To Use the Mobile Soils Classroom Trailers, Rainfall Simulators, Ground Water Model or Remote Lesson Boxes

Each of the host Soil and Water Conservation Districts (Martin, Chatham, Davie, Buncombe, Burke, Pitt) will maintain a calendar for reservations of either the trailer, the rainfall simulator, Envirosapes, Remote Lesson Boxes, or the Ground Water Model.

Only North Carolina Soil and Water Conservation Districts, NC Division of Soil and Water Conservation, or the NCSU Department of Crop and Soil Science are eligible to check out any of the Mobile Soils Classroom project equipment. Any other organization or school must go through their local Soil and Water Conservation District to reserve a trailer or other MSC resource (rainfall simulator, Enviroscape, ground water model, remote lesson boxes). That local district will take responsibility for the trailer during that outreach and for moving the trailer or resource from the host district site.

A half-ton pickup vehicle is of sufficient size to move one of the 14-foot tandem Mobile Soils Classroom trailers. However, the towing vehicle must be equipped with electric trailer brakes to haul the trailer legally.

Where Resources are hosted

Mobile Soils Classroom Trailers & Envirosapes

Coastal – Martin SWCD
Piedmont – Chatham SWCD
Mountain #1 – Davie SWCD
Mountain #2 – Buncombe SWCD

Groundwater Model

Pitt SWCD

Rainfall Simulator Models

Coastal – Martin SWCD
Piedmont – Chatham SWCD
Mountain – Buncombe SWCD

Remote Lesson Boxes

Burke SWCD