

Stream Kit Assembly

Stream Kits are simple to assemble and you can use your own imagination to add to your own kits. The idea is to create a replica of a stream complete with bugs and pollution.

1. Each stream needs:

Blue fabric to simulate water

Fake Cattails and other water plants stuck in play dough to help them stand up

Rocks

Fake wood and leaves to place in the water

Laminated and Cut out Bugs.

(I copy my dichotomous key, laminate it, and cut out the bugs)

The bugs should be placed in areas where they may live.

Tape them under rocks.

Attach them to tree branches and leaves

Place them in the water

Hide them by the cattails

2. High Quality Streams

Be sure to place a variety of bugs in the water to achieve a high water quality.

Add a fence on the outside of the stream (you can place cows behind the fence)

Include more plants

3. Low Quality Streams

Be sure to place a limited variety of bugs in the water to achieve a low water quality.

Include visible sources of pollution

Pipes draining into the stream

Trash in the water

Glitter or other confetti for chemical pollution

Cows drinking from the water

Oil slicks indicated by stains on the fabric

Sediment indicated by the rocks placed into clay

GET CREATIVE!!! The more creative you are, the more creative they will be when coming up with ideas on what causes the problems!!!

I place each stream in its own box. Then I set the streams up prior to the lesson. You can use two streams or one per group of 4 – what ever you have resources for!!