

Multiple Lines of Defense Model DIY Instructions

Supplies & example links:

Pegboard (48"x24")	https://www.homedepot.com/p/48-in-H-x-24-in-W-White-Pegboard-109099/202093803
Wood glue	https://www.walmart.com/ip/Gorilla-Wood-Glue-8-oz-Bottle/15085314
Lumber (2"x2"x12') - cut to fit around the perimeter of the pegboard	https://www.homedepot.com/p/2-in-x-2-in-x-8-ft-Furring-Strip-Board-Lumber-75800593/304600525
Blue Marbles	https://www.michaels.com/cobalt-blue-mini-glass-marbles-by-ashland/10556558.html?cm_mmc=PLASearch_-google_-MICH_Shopping_US_N_Floral_FloralSupplies_N_NN_-&Kenshoo_ida=&qclid=EAlaIqobChMI-uHT-bKz5glVjP_jBx32RAWaEAQYASABEgJbu_D_BwE
Acrylic Paint (green, blue, brown, any additional colors for the houses)	https://www.michaels.com/acrylic-paint-by-artists-loft-4oz./M10134990.html?dwvar_M10134990_size=4%20oz&dwvar_M10134990_color=Brilliant%20Magenta
Paint brushes	https://www.amazon.com/BOSOB0-Paintbrushes-Watercolor-Miniature-Detailing/dp/B07KT2JK3S?th=1
Large Foam Dice	https://www.dollartree.com/teaching-tree-dry-erase-foam-blocks/237440
Sponges	https://www.dollartree.com/scrub-buddies-cellulose-sponges-2ct-packs/179901
Fake moss mat (represents impacted marsh)	https://www.michaels.com/ashland-peel-and-stick-moss-mat-16-in-x-8-in/10204636.html
Play-doh (4 small containers)	https://www.amazon.com/Play-Doh-Modeling-Compound-Non-Toxic-Exclusive/dp/B00JM5GW10
Large plastic mixing cup with handle	https://www.dollartree.com/plastic-mixing-bowls-with-handles-2frac12-qt/858618
Assorted wood scraps	Blocks, rectangles, etc
Non-slip mesh	https://www.amazon.com/MAYSHINE-Gripper-Available-Provides-Protection/dp/B078HK9T83/ref=pd_sbs_196_1/133-9245883-0632767?_encoding=UTF8&pd_rd_i=B078HK9T83&p

	d_rd_r=34a57c99-7ba3-4778-be52-85d2fe776e92&pd_rd_w=kizJg&pd_rd_wg=PPyDz&pf_rd_p=bdc67ba8-ab69-42ee-b8d8-8f5336b36a83&pf_rd_r=RCV4AP2ENCN02SC9129B&psc=1&refRID=RCV4AP2ENCN02SC9129B
Craft foam sheet (black)	https://www.amazon.com/Foam-Sheet-X12-2mm-Black-pack/dp/B016YNB8D4
Miniature trees	https://www.michaels.com/mini-green-garden-trees-by-artminds/10566472.html
Wood block	N/A
"flood gate"	Use your imagination! (Popsicle sticks, legos, building blocks, etc)
"pump station" -- building materials	Use your imagination! (Popsicle sticks, legos building blocks, etc)
Polymer clay	https://www.michaels.com/craft-smart-polymer-clay-2oz/M10120139.html?dwvar_M10120139_size=2%20oz&dwvar_M10120139_color=Bright%20Green

Build directions:

1. Paint the pegboard similar to the picture, with blue representing the water on one end, brown representing the sand in the middle, and green representing the land on the other side. Feel free to add your own artistic touches to it!
2. Use the wood glue to attach the 2"x2" wood pieces around the perimeter of the pegboard.
3. Paint the small wooden blocks or wood scraps to represent houses.
4. Trim the sponges into a more abstract shape to represent the barrier islands.
5. Use a permanent marker to write 1, 2, 3, 4, 5, 6, and "dealer's choice" on the sides of the foam dice.

