

Crochet your own geologist

Geologists. Wonderful people, even if they do spend too much time outdoors. Make your own mini version to take on mini adventures.

You will need:

- 4.5mm crochet hook
- 4ply yarn - I recommend a cotton yarn such as Sugar n' Cream or Drops Paris. Choose your shoe, trouser, top and jacket colours (the latter if you want to add a jacket) and find a suitable skin tone yarn.
- 4 ply 100% wool yarn or similar for hair - the fuzzier the better
- Polyfil or similar stuffing
- Yarn needle
- Locking stitch markers or paperclip
- Preferred method to mark rows when crochet in the round - I use scrap yarn.
- If you're adding glasses, you'll need jewellery wire or similar.



Our tiny geologist modelled by his real life counterpart. Many thanks to Ted for being such a good sport!

Your mini geologist will measure around 7 inches tall. All crochet terms are UK terminology (ie for Americans, substitute 'sc' for 'dc' throughout).

Techniques used:

- inc: dc two stitches into the same space
- dec: insert your hook into the next stitch, yarn over and pull through, insert your hook into the next stitch, yarn over again and pull through, yarn over and pull through all three loops on your hook.
- Crochet through the back loops only: somewhat self-explanatory, but there's an excellent tutorial [here](#)

- Changing colours: As any colour changes will be not very noticeable, you can use the [simplest technique](#) without needing to create jogless colour changes.
- Crocheting in the round - [many tutorials available](#)! This is spiral crochet, so rounds aren't joined at the end, you just continue on.

Note on assembly:

The legs, body and head are made in one piece, with everything else made separately and assembled later (see page 7)

Legs - Make 2

Round 1: Using your chosen shoe colour, ch2, dc 4 in 2nd ch from hook (4)

Round 2: inc each stitch (8)

Round 3: *inc 1st stitch, dc in next*, repeat (12)

Rounds 4/5: dc around (12)

Round 6: dc 3, dec 3, dc 3 (9)

Rounds 7/8/9/10: switch to leg colour, dc around (9)

Fasten off first leg - leave second leg and follow the next set of instructions to join legs together and start body



All black shoe and leg.

Joining legs

Step 1: It is usually easier to start this process by clipping the legs together - lockable stitch holders are ideal, but a paperclip would also do. Your unfinished leg should be on the left, with both feet facing you. You should be able to line up two stitches from each leg - clip both.

Step 2: dc 3, so that the stitch on your hook is close to the other leg.

Step 3: Put hook through stitches in place of your back stitch holder, as in photo, right.

Step 4: Pull the loop from the last stitch on the second leg through both stitches on hook.

Step 5: dc 7 around the right leg, up to the front stitch marker.

Step 6: Put hook through both stitches in place of your front stitch holder, as before.

Step 7: Pull the loop from last stitch through both stitches on hook.

Step 8: dc 3 to finish joining legs (16)



Note that I am being a rebel (and making it harder for myself) and not using stitch markers to hold them together.

Body

Round 1: already completed by joining the legs.

Round 2: *dc 7, inc*, repeat (18)

Round 3 *dc 8, inc* (20)

Round 4: change to top colour

Rounds 5/6/7/8: dc around (20)

Round 9: *dc in next two stitches, dec*, repeat (15)

Stuff legs and lower body

Round 10: *dc in next stitch, dec*, repeat (10)

Round 11: dc around, switch to skin-tone yarn on last st. (10)

Stuff body

Head

Round 1: dc around (10)

Round 2: inc around (20)

Round 3: *inc in next stitch, dc*, repeat (30)

Rounds 4/5/6/7: dc around (30)

Round 8: *dc in next 4 stitches, dec*, repeat (25)

Round 9: *dc in next 3 stitches, dec*, repeat (20)

Stuff head

Round 10: *dc in next 2 stitches, dec*, repeat (15)

Round 11: *dc in next stitch, dec*, repeat (10)

Round 12: dec around. Sl st in first stitch to finish off, use yarn needle to weave in ends.

You should have something that looks like this:



Slightly alien. Worked all in black.

Arms (make 2)

Round 1: in skin-tone yarn, ch 2, dc 4 in 2nd ch from hook (4)

Round 2: inc around (8)

Rounds 3/4: dc around (8)

Round 5: switch to clothing colour, dc around. (8) [NOTE: if adding a jacket, this should match the jacket colour, unless you want a sleeveless jacket, in which case match this to the top colour]

Rounds 6/7/8/9/10: dc around (8). Sl st to finish, leave a long tail to attach.

Stuff if you want to - depending on your tension and yarn the arm might be sturdy enough without. I didn't stuff the arms as I find it can be easier to pose him that way.

Jacket

Worked back and forth:

Row 1: ch 12, turn.

Row 2: Beginning from the second stitch away from the hook, dc 10, ch 2, turn. (10)

Row 3: inc, dc 8, inc, ch2, turn. (12)

Row 4: dc 12, ch 2, turn. (12)

Row 5: inc, dc 10, inc, ch 2, turn (14)

Row 6: dc 14, ch 2, turn (14)

Row 7: dc 14 through back loops only, ch 2, turn (14)

Rows 8-13: dc across, ch 2, turn.

Row 14: dc across, fasten off and weave in this end.

By crocheting through the back loops on row 7 you create a fold in the fabric which forms the collar.

Assembly (the fun bit)

1. Pin the jacket to the body, under the neck, collar facing out. Pin the arms to the jacket and reposition until happy. Using the same colour yarn as the jacket and your yarn needle, sew the arms to the jacket using the long tail you left after fastening.
2. Flipping the collar up and sewing underneath, sew the jacket to the body - try not to sew it to his head and you can cause the head to tilt backwards too much.
3. Sew on the hair. For long hair, you can use hair plugs. For shorter hair, embroider short vertical stitches around the head. Overlap them slightly. This may take a while, so map out the hairline first and work the centre afterwards. If you need to add more yarn you can hide the ends under the stitches you've already made.
4. Eyes: I did french knots, but if you're not comfortable with those a couple of small overlapping horizontal stitches in the right place will work fine.
5. Glasses! Using jewellery wire, measure a length from the middle of the head to the front of the head, bend at a right angle, create a loop over the first eye, leave a length as a nose bridge, create a second loop over the next eye and then bend at a right angle towards the other side of the head.

Enjoy your mini geologist!

