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## Part 4

Galerie de Minéralogiie et Géologiie


The museum possesses priceless jade from the thirteenth centurv, after all, and cavansite from India and rhodochrosite from Colorado; behind a lock her father has designed sits a Florentine dispensarv bowl carved from lapis lazuli that specialists travel a thousand miles everṿ year to examine.

Anthony Doerr

## Information

In this part we will visit the Galerie de Minéralogie et Géologie. In order to square-up our blankets, we will make lace 'mineralogy' corners using three different motifs inspired by different crystals and gemstones. The corners are worked separately and attached to the blanket with ss. Afterwards a row of 'Sea of Flames' motifs is worked between the corners.

Note: Stitch counts are given as a total number unless otherwise specified.

## Video-tutorial

Esther from It's all in a Nutshell has created video tutorials for CAL 2020 d'Histoire Naturelle. You can find the videos on her Youtube channel:

## Right-handed video in UK terminology

https://youtu.be/god0xDirR5k

## Left-handed video in UK terminology

https://youtu.be/A3xuivdIYXk

## Instructions

## Geode Motif (a diamond shape, make 4)

Note: This motif ends with a diamond shape. The ttr corners of Round 5 make up the top and bottom of the diamond. Please be mindful of this when joining the motifs into the corner shapes.

## Round 1 (C1)

Start with magic ring; ch4 (counts as first tr + 1 ch$),(1 \mathrm{tr}, \mathrm{ch} 1) 5$ times, join in third ch of beg 4-ch, fasten off. [6 tr, 6 ch-sps]

## Round 2 (C4)

Note: Your work will cup after this round and the next.
St-puff-st in any tr, (ch2, puff-st in next tr) 5 times, ch2, join to first puff-st, fasten off. [6 puff-sts, 6 ch-sps]
Round 3 (C2)

Notes: First FPdtr is made around first tr to your left. All FPdtr are made in front of your work. Push puff-st to the front if necessary.
St-dc in first ch-2 sp after join, 2dc in same ch-sp, *1FPdtr around tr of Round 1, 1FPdc around puff-st, 1 FPdtr around same tr of Round 1, 3dc in next ch-sp; rep from * around, omit last 3 dc on the last rep, join to first dc, fasten off. [36 sts]

## Round 4 (C3)

Notes: The sts after the FPdtr are a bit hidden. Work the ttr in front of your work.
St-tr in first FPdc after join, 1 tr in same st, *1tr in next 3 sts, 1 ttr in 1 -ch of Round 1, do not sk next st, 1 tr in next 2 sts, 2 tr in next FPdc; rep from * around, omit last 2 tr on the last rep, join to first tr, fasten off. [48 sts]

## Round 5 (C2)

St-tr in same st as join, (ch2, 1tr) in same st (first corner made), *(ch1, sk next st, 1tr in next st) twice, ch1, sk next st, 1 htr in next st, ch1, sk next st, 1 tr in next st, ch1, sk next st, 1 dtr in next st, ch2, sk next st, ( 1 ttr , ch2, 1 ttr ) in next st, ch2, sk next st, 1 dtr in next st, ch1, sk next st, 1 tr in next st, ch1, sk next st, 1htr in next st, (ch1, sk next st, 1tr in next st) twice, ch1, sk next st, (1tr, ch2, 1tr) in next st; rep from * once more, omit the corner instructions on the last rep, join with ss to first tr, ss to next corner-sp. [28 sts, $28 \mathrm{ch}-\mathrm{sps}$ ]

## Round 6 (C2)

Ch3 (counts as first tr), (3tr, ch2, 4tr) in same sp, *sk next ch-sp, (2tr in next ch-sp) 4 times, sk next ch-sp, ( 4 tr, ch2, 4tr) in next corner sp; rep from * around, omit the corner instructions on the last rep, join with needle join, fasten off. [16 sts per side]

## Round 7 (C4)

St-dc in corner sp after join, (ch2, 1dc) in same sp, *1BPhtr around next 4 sts, 1 dc in next 8 sts (the first is hidden by last BPhtr), 1 BPhtr around next 4 sts, ( $1 \mathrm{dc}, \mathrm{ch} 2,1 \mathrm{dc}$ ) in next corner sp; rep from * around, omit the corner instructions on the last rep, join to first dc, fasten off. [18 sts per side]

## Round 8 (C1)

St-htr in corner sp after join, (ch3, 1 htr) in same sp, *(ch4, sk next 3 sts (first st after corner is hidden), 1 dc in next st) twice, ch1, 1 tr in next st, ch2, 1tr in next st, ch1, ( 1 dc in next st, ch4, sk next 3 sts) twice, ( 1 htr , ch3, 1 htr ) in next corner sp; rep from * around, omit the corner instructions on the last rep, join to first htr, fasten off. [8 sts, 7 ch-sps per side]

Measurements Geode Motif Stone Washed/River Washed version: 14cm (5.6in) high and 13cm (5.2in) wide from the points across.
Measurements Geode Motif Colour Crafter version: 15 cm (6in) high and 14 cm ( 5.6 in ) wide from the points across.

## Agate Motif (a hexagon shape, make 8)

## Round 1 (C5)

Start with magic ring; ch3 (counts as first tr), 2tr, ch1, (3tr, ch1) twice, join in third ch of beg 3-ch, fasten off. [9 sts, 3 ch-1 sps]

## Round 2 (C6)

Note: The first dc after the ch-sp is hidden.
St-dc in any ch-sp, 1 dc in same sp, $2 d c$ in next 3 sts, $2 h t r$ in next ch-sp, $2 h t r$ in next 3 sts, 2 tr in next ch-sp,
2 tr in next 3 sts, join to first dc, fasten off. [24 sts]

## Round 3 (C7)

St-dc in same st as join,
*2dc in next st, 1dc in next st; rep from * around, omit the last dc on the last rep, join to first dc, fasten off. [36 sts]

## Round 4 (C8)

Note: Your work will wave after this round.
St-tr in same st as join, 1tr in next st, *2tr in next st, 1tr in next 2 sts; rep from * around, omit the last 2 tr on the last rep, join to first tr, fasten off. [48 sts]

## Round 5 (C5)

St-tr in same st as join, *1tr in next st, 1 htr in next st, 1 dc in next 2 sts, 1 htr in next st, 1 tr in next $2 \mathrm{sts}, \mathrm{ch} 1$, 1 tr in next st; rep from * around, omit the last tr on the last rep, join to first tr, fasten off. [8 sts per side (you will have six sides)]

Measurements Agate Motif Stone Washed/River Washed version: 9cm (3.6in) measured from the points across.
Measurements Agate Motif Colour Crafter version: 10cm (4in) measured from the points across.

## Quartz Motif (an octagon shape, make 8)

## Round 1 (C7)

Start with magic ring; ch3 (counts as first tr), 15 tr in ring, join in third ch of beg 3-ch, fasten off. Close the magic ring partly, so you will leave a little hole and your work will not wave. [16 sts]

## Round 2 (C4)

St-tr in same st as join, *1tr in next st, ch2, 1tr in next st; rep from * around, omit the last tr on the last rep, join to first tr, fasten off. [16 sts, 8 ch-sps]

Measurements Quartz Motif both versions: 5cm (2in) measured from the flat sides across.

## Joining the Motifs (make 4 corner shapes)

Notes:
All three motifs will be joined into a corner shape of 1 Geode Motif, 2 Agate Motifs and 2 Quartz Motifs.
Join the motifs with the wrong sides together using C1 and Hook B.

- Please note that the Agate Motifs are not symmetrical, so I recommend working the first dc of Step 1 in different corners for each motif to get a playful effect.

Step 1: In an Agate Motif; St-dc in any corner sp, ch1, join to Geode Motif with 1dc in the ch-2 sp at the bottom right side of the motif (the ttr corners of the Geode Motif point up- and downwards), ch1, 1dc in same corner sp of Agate Motif, continuing around the Agate Motif: *ch4, sk next 3 sts, 1 dc in next 2 sts, ch4, sk next 3 sts, ( 1 dc , ch3, 1dc) in next corner sp; rep from * around, omit the corner instructions on the last rep, join to first dc, fasten off.
Step 2: Rep step 1, but join the second Agate Motif to the Geode Motif in the ch-2 sp at the bottom left of the motif.
Step 3: In a Quartz Motif; St-dc in any ch-sp, ch1, join to right Agate Motif with 1dc in the corner sp diagonally opposite to the join of the Geode Motif, ch1, *1dc in-between next 2 sts, ch3, 1 dc in next sp, ch3; rep from * around, omit the last dc and 3 ch on the last rep, join to first dc, fasten off.
Step 4: Rep step 3 instructions, but join to the Agate Motif on the left.

## Corner Shape (make 4)

Note: We will continue working the Corner Shape (CS) before it is joined to the blanket, using Hook B.
Please make sure that all motifs are facing $R S$ up.

## Round 1 (C1)

Note: When working the qdtr4tog in two ch sps, you work the first two legs in the first ch-sp and the last two legs in the second ch-sp.
With Hook B and starting in Quartz Motif on right hand side,

| Quartz | St-dc in seventh ch-sp counted clockwise from the <br> join to Agate Motif, <br> ch1, 1 htr in next ch-sp, <br> ch1, 1tr in next ch-sp, <br> ch1, 1dtr in next ch-sp, <br> ch1, 1 ttr in next ch-sp, <br> ch2, 1qdtr in next ch-sp, <br> qdtr2tog over the next ch-sp of Quartz Motif AND <br> first ch-sp after the join of Agate Motif, |
| :--- | :--- |
| Agate (top) | 1 dtr in next ch-sp of Agate Motif, <br> ch2, 1dc in corner-sp of Agate Motif, <br> ch3, 1dc in next ch-sp, <br> ch3, sk next dc, 1dc in next dc, <br> ch3, 1dc in next ch-sp, <br> ch3, 1dc in next corner-sp, <br> ch2, 1dtr in next ch-sp, <br> qdtr2tog over the next ch-sp AND first ch-sp after <br> the join of Geode Motif, |
| Geode (top) | $1 d t r$ in next ch-sp of Geode Motif, <br> ch2, 1dc in corner-sp of Geode Motif, |
| (ch3, 1dc in next ch-sp) 5 times (the third one falls |  |
| into the middle ch-sp), |  |
| ch3, (1dc, ch2, 1dc) in corner-sp, |  |
| (ch3, 1dc in next ch-sp) 5 times (the third one falls |  |
| into the middle ch-sp), |  |
| ch3, 1dc in corner-sp, |  |
| ch2, 1dtr in next ch-sp, |  |
| qdtr2tog over next ch-sp AND first ch-sp after join |  |
| of Agate Motif, |  |, | $1 d t r$ in next ch-sp of Agate Motif, |
| :--- |
| ch2, 1dc in corner-sp of Agate Motif, |
| ch3, 1dc in next ch-sp, |
| ch3, sk next dc, 1dc in next dc, |
| ch3, 1dc in next ch-sp, |
| ch3, 1dc in next corner-sp, |
| ch2, 1dtr in next ch-sp, |
| qdtr2tog over the next ch-sp of Agate Motif AND |
| first ch-sp after the join of Quartz Motif, |,


| Quartz | 1qdtr in next ch-sp of Quartz Motif, <br> ch2, 1ttr in next ch-sp, <br> ch1, 1dtr in next ch-sp, <br> ch1, 1tr in next ch-sp, <br> ch1, 1 htr in next ch-sp, <br> ch1, 1dc in next ch-sp, <br> ch8, qdtr4tog over the next two ch-sp, <br> ch8, 1dc in next ch-sp, <br> (ch3, 1dc in next ch-sp) 3 times, <br> ch3, 1 htr in next ch-sp, ch1, <br> qdtr2tog over the next ch-sp AND first ch-sp after <br> the join of the Agate Motif, |
| :--- | :--- |
| Agate (bottom) | 1 dtr in next ch-sp of Agate Motif, <br> ch1, 1tr in corner-sp of Agate Motif, <br> ch3, 1tr in next ch-sp, <br> ch3, sk next dc, 1tr in next dc, <br> ch3, 1dtr in next ch-sp, c <br> h3, 1dtr in next corner-sp, <br> ch1, 1ttr in next ch-sp, <br> qdtr2tog in next ch-sp AND first ch-sp after the join <br> of Geode Motif, |
| Geode (bottom) | 1ttr in next ch-sp of Geode Motif, <br> ch5, (1ttr, ch3, 1ttr) in corner-sp of Geode Motif, <br> ch5, 1ttr in next ch-sp of Geode Motif, <br> qdtr2tog in next ch-sp AND first ch-sp after the join <br> of Agate Motif, |
| Agate (bottom) | 1ttr in next ch-sp of Agate Motif, <br> ch1, 1dtr in corner-sp of Agate Motif, <br> ch3, 1dtr in next ch-sp, <br> ch3, sk next dc, 1tr in next dc, <br> ch3, 1tr in next ch-sp, <br> ch3, 1 htr in next corner-sp, <br> ch1, 1dtr in next ch-sp, <br> qdtr2tog in next ch-sp AND first ch-sp after the join <br> of Quartz Motif, |
|  | ch1, 1 htr in next ch-sp of Quartz Motif, |
| (ch3, 1dc in next ch-sp) 4 times, |  |
| ch8, qdtr4tog over the next two ch-sps, |  |
| ch8, join to first dc, |  |,

fasten off. [80 sts, 66 ch-sps]

## Round 2 (C1)

St-qdtr in first st before join,
(ch2, 1qdtr) in same st,
(2qdtr, 3ttr, 3dtr) in ch-8 sp,
3 tr in next five ch-sps,
3 dtr in qdtr2tog,
3 tr in next five ch-sps (do not mistake the space after the qdtr2tog for a ch-sp),
3dtr in next ch-sp,
dtr2tog over qdtr2tog AND next ch-sp (skipping the st after the qdtr2tog),

3tr in next six ch-sps,
(3tr, ch2, 3tr) in corner-sp,
3 tr in next six ch-sps,
3dtr in next ch-sp,
dtr2tog over qdtr2tog AND next ch-sp (skipping the st after the qdtr2tog),
3 tr in next five ch-sps,
3 dtr in qdtr2tog,
3 tr in next five ch-sps, (
3dtr, 3ttr, 2qdtr) in ch-8 sp,
(1qdtr, ch2, 1 qdtr) in qdtr4tog,
ch4,
( $1 \mathrm{dtr}, \mathrm{ch} 3$ ) 3 times around the qdtr you just made,
( $1 \mathrm{dtr}, \mathrm{ch} 3$ ) 3 times in ch-8 sp,
1 tr in ch-8 sp,
(ch3, 1 dc in next ch-sp) 4 times,
ch3, 1 htr in qdtr2tog,
ch3, 1 tr in dtr,
ch3, sk next ch-1 sp, (1 htr in next ch-sp, ch3) 3 times,
1 tr in next ch-sp,
ch3, 1 dtr in next ch-sp,
ch1, 1 ttr in space between ttr and qdtr2tog,
ch 1,1 ttr in space between the two legs of the qdtr2tog,
ch1, 1qdtr in ch-sp,
ch1, (1qdtr, ch1, 1qdtr) in ch-sp (PM in ch-1 sp between the two qdtr),
ch1, 1 qdtr in ch-sp,
ch1, 1 ttr in the qdtr2tog,
ch1, 1 ttr in ttr,
ch1, 1 dtr in next ch-sp,
ch3, 1 tr in next ch-sp,
(ch3, 1 htr in next ch-sp) 3 times,
ch3, 1 tr in dtr (skipping the ch-1 sp),
ch3, 1 tr in qdtr2tog, sk next ch-1 sp,
(ch3, 1 dc in next ch-sp) 4 times,
ch3, 1 tr in ch-8 sp,
(ch3, 1 dtr in ch-8 sp) 3 times,
(ch3, 1 dtr around side of qdtr) 3 times,
ch4, join to first qdtr, fasten off.
[ 180 sts ( 68 sts per side at the top of the CS including the 2 qdtr at the sides, 44 sts at the bottom), 48 chsps (including the two 4-chs at the sides and the top corner-sp)]

## Attaching the Corner Shapes to the blanket

Placing markers:
$P M$ in $67^{\text {th }}$ st from marked join of Round 64.
This will be your new start of the round. It will be right above the corner of the square shape of Part 1.
Remove marker from join of Round 64.
PM in $64^{\text {th }}$ st after last marked st. This is the st where the marked ch-1 sp of the CS will be joined. It will be above the middle of the flat side of the square of Part 1.
(PM in 129th st after last marked st) three times. You will have placed five markers; one for the start of the Round and four to join to the marked ch-1 sp of the CS.

## Round 65 (C1)

Note: The corner shapes are attached to the blanket in this round and referred to as CS. Round 64 is referred to as R64. Please read carefully, the instructions are not symmetrical at the beginning and end of attaching the CS, this is made bold.

With Hook B starting at the newly marked joined st of R64;
St-tr,
*(ch1, sk next st, 1tr in next st) 8 times,
(ch1, sk next st, 1dtr in next st) twice,
ch1, ss in last ch-3 sp from CS (not the final ch-4 sp),
ch1, sk next st, 1 tr in next st of R64,
ch1, ss in next ch-sp of CS,
ch3, sk next 4 sts of R64, 1dc in next st of R64,
ch1, sk next 2 ch-sps of CS, ss in next ch-sp,
ch1, 1 dc in same st of R64,
(ch2, sk next 3 sts of R64, 1dc in next st, ch1, sk next ch-sp of CS, ss in next ch-sp, ch1, 1dc in same st of
R64) 4 times,
ch2, sk next 3 sts of R64, 1dc in next st,
ch2, sk next ch-sp of CS, ss in next ch-sp,
ch2, 1 dc in same st of R64,
ch2, sk next 3 sts of R64, 1dc in next st,
ch3, sk next ch-sp of CS, ss in next ch-sp,
ch3, 1 dc in same st of R64,
(ch2, sk next 3 sts of R64, 1dc in next st, ch4, sk next ch-sp of CS, ss in next ch-sp, ch4, 1dc in same st of
R64) twice,
ch3, sk next 4 sts of R64, 1dc in next marked st,
ch2, ss in marked ch-sp of CS,
ch2, 1dc in same st of R64,
ch3, sk next 4 sts of R64, 1dc in next st,
ch4, ss in next ch-sp of CS (without skipping a ch-sp),
ch4, 1 dc in same st of R64,
ch2, sk next 3 sts of R64, 1dc in next st,
ch4, sk next ch-sp of CS, ss in next ch-sp,
ch4, 1 dc in same st of R64,
ch2, sk next 3 sts of R64, 1dc in next st,
ch3, sk next ch-sp of CS, ss in next ch-sp,
ch3, 1 dc in same st of R64,
ch2, sk next 3 sts of R64, 1dc in next st,
ch2, sk next ch-sp of CS, ss in next ch-sp,
ch2, 1 dc in same st of R64,
(ch2, sk next 3 sts of R64, 1dc in next st, ch1, sk next ch-sp of CS, ss in next ch-sp, ch1, 1dc in same st of R64) five times,
ch3, sk next 2 ch-sps of CS, ss in next ch-sp,
ch1, sk next 3 sts of R64, 1 tr in next st,
ch1, ss in next ch-sp of CS,
ch1, sk next st of R64, 1dtr in next st,
ch1, sk next st, 1 dtr in next st,
(ch1, sk next st, 1tr in next st) 10 times;
rep from * around, omit the last tr on the last rep, join with ss in first tr.
[152 dc (19 groups of dc per CS) $80 \operatorname{tr}$ ( 18 per side between CS), 16 dtr, 184 ch- 1 or ch- 1 sps ( 46 per rep),
88 ch-2 ( 22 per rep, 162 -chs along the top of R64 under each CS), 323 -chs ( 8 per rep), 164 -chs ( 4 per rep)]

Note: From now on, stitch counts are given per side again, not including the corner spaces. You will continue with Hook A.

## Round 66 (C1)

Note: Instructions left and right from the corner-sp are not symmetrical.
When working the 3 -dtr and 3 -ttr groups, the ch-1 sps between the sts are also skd.
With Hook A here and throughout; Ch4 (counts as first dtr), 2 dtr in same st ( $=3$-dtr group), *(ch3, sk next st, 3 dtr in next st) 4 times, ch3, sk next st, 3 ttr in next st, dc2tog over ch-2 sp from corner of CS and the
second st of CS (skipping the first st of CS), 1dc in next 6 sts, htr3tog over next three sts, 1 htr in next st, 1 dc in next 12 sts, 1 htr in next 3 sts, tr3tog over next three sts, 1 tr in next $14 \mathrm{sts}, 1 \mathrm{dtr}$ in next 23 sts , ( 1 dtr , ch2, 1 dtr ) in corner-sp, 1 dtr in next 26 sts (first st after the corner is hidden), 1 tr in next 11 sts, tr3tog over next three sts, 1 htr in next 3 sts, 1 dc in next 12 sts, 1 htr in next st, htr3tog over next three sts, 1 htr in next st, 1 dc in next 5 sts, dc2tog over next qdtr and next ch-sp of CS (skipping qdtr of CS), sk next dtr of Round 65, 3ttr in next st, (ch3, sk next st, 3dtr in next st) 5 times;
rep from * around, omit the last 3 dtr on the last rep, join in fourth ch of 4-ch, fasten off. [159 sts (9 3-dtr groups, 2 3-ttr groups), 10 ch-sps]

## Round 67 (C2)

St-dc in any corner-sp, (ch2, 1dc) in same sp, *(ch2, sk next st, 1dc in next st) 31 times (first st is hidden), ch2, sk next st, (1dc in next st, 2FPtr-cl around next st, 1dc in next st (hidden by the cl), ch1, sk ch-sp) 10 times, 1 dc in next st, 2FPtr-cl around next st, 1 dc in next st, (ch2, sk next st, 1 dc in next st) 31 times, ch2, sk last st before corner, (1dc, ch2, 1dc) in corner-sp;
rep from * around, omit the corner instruction on the last rep, join to first dc, fasten off. [97 sts (11 2FPtrcl), 10 ch- 1 sps, 64 ch-sps]

## Round 68 (C3)

St-dc in any corner-sp, (ch2, 1dc) in same sp, *(ch2, sk next st, 1dc in next ch-sp) 28 times, (ch2, sk next st, 1 htr in next ch-sp) twice, ch2, sk next st, 1tr in next ch-sp, ch2, sk next st, 1 dtr in next ch-sp, (FPttr-dtr-ttrtog (over next st of Round 66, 2FPtr-cl AND next st of Round 66), ch2) 11 times, omit the last ch-2 on the last rep, 1 dtr in next ch-sp (hidden by the FPttr-dtr-ttrtog), ch2, sk next st, 1 tr in next ch-sp, (ch2, sk next st, 1 htr in next ch-sp) twice, (ch2, sk next st, 1dc in next ch-sp) 28 times, ch2, sk last st before corner, (1dc, ch2, 1dc) in corner-sp;
rep from * around, omit the corner instructions on the last rep, join to first dc, fasten off. [77 sts (including $11 \times$ FPttr-dtr-ttrtog/Sea of Flames motifs), 74 ch-sps]

Measurements Stone Washed/River Washed version: 93cm (37.2in) measured across each side.
Measurements Colour Crafter version: 104cm (41.6in) measured across each side.

