## CRAFT ACTIVITY Number Three: With a bit of maths thrown in for fun!

Use the shapes to work these out. They get progressively harder...see how far you can get. Cut off when you have reached what you can do and stick the sheet in your workbook. The code is CA3. If you did the previous craft activities, write them in your log as CA1 and CA2. Let's get going:
1.

|  |  | How many...? |  |
| :--- | :--- | :--- | :--- |
| Name of shape | Draw the shape | Edges | Corners |
| Circle |  |  |  |
| Triangle |  |  |  |
| Square (oblong) |  |  |  |
| Rectangle (oblong) |  |  |  |
| Hexagon |  |  |  |

2. Make a repeating pattern with some shapes. (For example larger/smaller, two green/one yellow). Draw your pattern here. (Big kids: make a complicated pattern!) What is your pattern rule?
3. Make a pattern that has a centre shape, then goes outwards. Draw your pattern here. You can change the colours on the pattern you draw.
4. How many edges?

* A triangle and a square: $\qquad$
* A rectangle and a square: $\qquad$
* A hexagon and a triangle: $\qquad$
* Three triangles: $\qquad$
* A square and a circle (tricky!): $\qquad$
$\square$

5. The code is: E (edge), C (corner), T (triangle), S (square), R (rectangle), H (hexagon).

So, $2 \mathrm{SE}+1 \mathrm{HC}=2$ square edges plus 1 hexagon corners

* $1 S E+2 T C=$
* $3 \mathrm{RC}+2 \mathrm{TE}=$
* $2 \mathrm{HE}-2 \mathrm{TC}=$
* $4 \mathrm{TC}-1 \mathrm{RE}=$


## Extra for mathematical geniuses! <br> If you have a protractor at home, can you work out the angles <br> inside each shape? <br> Triangle: <br> $\qquad$ Square: <br> $\qquad$ Rectangle: <br> $\qquad$ Hexagon: <br> $\qquad$

