

Looking at Hussey Tower

1. For this you will need the Plan of Hussey tower sheet:

Measure the lengths of the outsides of the walls of the tower by using a tape measure, trundle wheel or by pacing them out.

Mark the measurements on your plan of Hussey Tower.

Do the same with the inside walls of the tower.

See if you can work out:

- a) if the tower is square
- b) how thick the walls are
- c) how many bricks thick the walls are
- d) the perimeter of the outside of the tower
- e) the area of the inside space

If you need help – just ask

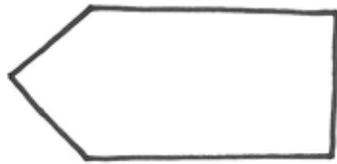
2. Look at the houses built to the west of the tower. Draw the pattern of how the bricks in their walls are laid in this space:

Now look at how the bricks in the walls of Hussey Tower are laid. Draw that pattern in this space:

Can you see the difference? The pattern of the Hussey Tower bricks is called **English Bond**. It is a very strong and expensive way of building. The modern houses are built in a pattern called **Stretcher Bond**. (**Stretcher** is another word for the long side of a brick. The short sides are called **headers**).

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3. Explore the tower and see if you can find where these specially-shaped bricks are used:



4. How many steps up to the top of the tower?

5. How many steps to make a complete turn of the staircase?

6. What shape is the stair turret?

7. See if you can find these features:



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8. How many fireplaces can you see?
9. Look at the outside of the east wall of the tower (your Hussey tower plan will help you to work out which is the East wall). Now look at the computer reconstruction of Hussey Tower as it might have looked in about 1500. The reconstruction shows a building joined to the tower. How do we know that there was once a building here?
10. Hussey Tower looks a bit like a castle, but do you think it was built to be defended against attack?