REDSTONE LIGHTHOUSE

For this build, we're going to combine a simple torch clock with vertical transmission to make a grand lighthouse, visible from miles around. It's the perfect mechanism to mark your territory and light the way for visitors.

1. Start by building a tower, which can be as tall as you like. At the top, you should build an 8 x 8 platform to form the base of the lighthouse, with the corner blocks removed.

2. Place a ring of redstone dust around the edge of the platform, leaving two-block spaces on each side. Add an extra space on one corner too. It should look something like the image on the right.

3. In the gaps, place a solid block with a redstone torch on the side. There should be an odd amount of torches to invert continuously.

4. Build up a partial wall beside one of the torches. Create a redstone ladder against the wall using slabs and redstone dust, then destroy the wall.

5. Do the same thing for the other three sides of the lighthouse so that there are a total of four ladders - one to power each side of the lighthouse in turn.

6. Add a row of redstone lamps on each side, with the top of the lamps parallel with the top slab. Separate the lamps on each side by omitting the corner block.

7. Trail redstone dust from the slabs onto the redstone lamps. When the torch clock turns each section on and off, the lamps should turn on and off with them.

8. Finally, complete the build around the clock mechanism. You can use partial blocks like stairs and slabs to fill the space around the redstone dust, but make sure you don't sever it when you place blocks.