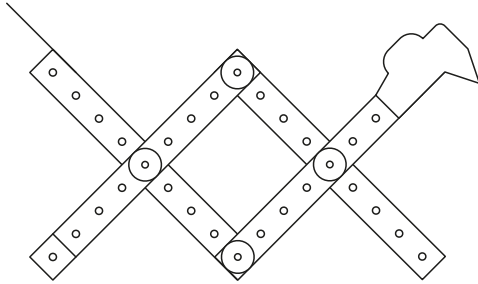
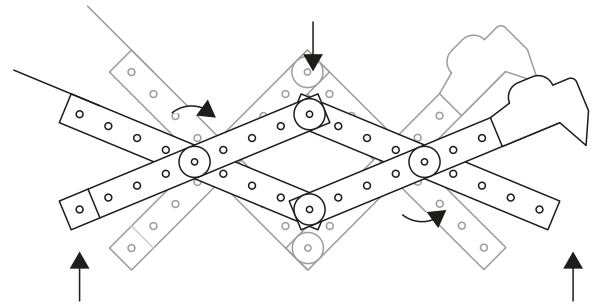


1. The two TechCard Beams that form the body of the snake are folded into strong shapes. The ninety degree folds in the beams make them rigid and better able to withstand forces acting on them.



2. The up and down forces applied to the mechanism are converted into a rotating force at the axles.

3. When the two elements that form the tail of the snake are moved together the mechanism extends and the jaw closes. As the mechanism extends, it doesn't 'grow' it changes shape.



4. Simple pushing forces are applied to the snake. The elements that form the mechanism act like a series of levers and change the direction of the force applied to it.