

Your Robot has Mail

A humanoid robot is a robot that looks and moves like a human. They can be used to perform the same tasks that you can. However, depending on a variety of factors, they may perform these tasks better or worse than a human can.

1. Discuss with your group the types of obstacles that a humanoid robot that delivers mail to people's letterboxes might encounter. For example, there might be a dog running around the front yard or the number might have fallen off the front of the letterbox. List as many as you can think of in each of your learning journals.



2. Pick two of these obstacles. For each of them, describe how the humanoid mail delivery robot could
a: detect this obstacle and b: what it should do when it detects this obstacle in your learning journals. Make sure that you discuss as a group.
3. Let's imagine that the humanoid delivery robot described above is now only going to be used to deliver mail to letterboxes 20 metres underwater. List in your learning journal the things that you would change about the design of a humanoid robot to make it better at delivering mail 20 metres underwater. Things to consider might include but are not limited to the way that it moves, its shape, its weight and even the type of robot.



Japan's Post Box Under the Sea