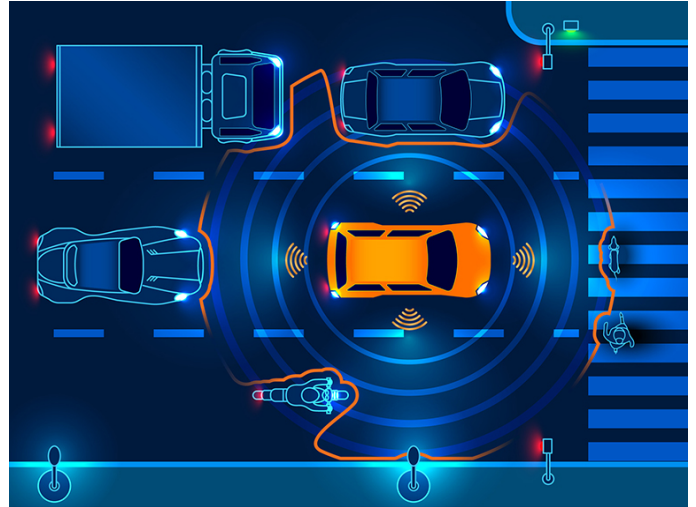## AI.robot.control

Artificial intelligence (AI) is all about creating programs and machines that are able to carry out human behaviours like critical thinking and decision making. Generally, the realism of an AI is judged by how closely it acts like a human. AI can be as simple as an automatic light switch or as complex as responsive conversation software like Siri.

1. As a group, see how many different pieces of technology you can think of that utilise AI. **List at least four of them in your learning journals.**

2. Consider a taxi driven by a human compared to a taxi driven by an AI. **Discuss the following questions as a group and write your answers in your learning journals.**
   a. Is a taxi driven by an AI cheaper or more expensive to operate than a taxi driven by a human. Briefly explain your reasoning.
   b. If we replace all of the human-driven taxis on our roads with taxis driven by AI, would overall traffic on our roads get better or worse? Briefly explain your reasoning.
   c. Assuming that the number of passengers is the same, a taxi that is designed to be driven only by an AI can be smaller in size than a taxi that is driven by a human. Why can it be smaller?
   d. In an unexpected situation on the road, like the car in front coming to a sudden stop or a pedestrian stepping out onto the road, would a taxi driven by an AI be safer than a taxi driven by a human? Briefly explain your reasoning.