Think Cubes and More

Teams of students can now work with the new Think Cubelets to build robots to solve problems.

Tell students they need to build a robot using the Think cubes and their robot must solve a problem or address an issue.

Students could decide for themselves what the problem might be, or you could choose from some of these suggestions:

- Build a robot that would transport a small object from one side of the table to the other
- Build a robot that could steer an object (push it) from one side of the table to the other
- Build a robot that would make its way through a maze (with or without a light)
- Build a robot that could turn an object, maybe a flag or ribbon stick, as a signal to others
- Build a tool, using a toothbrush, that could act as a scrubber to clean a surface
- Build a tool that could pull a small "cart" and then unload it on the other side of the table

Of course, this is just a selection – the sky is the limit!

When students have built their robots ask them to explain (in writing or in a presentation to the class) what the purpose of their robot is – in other words, how this robot could solve a problem/issue in a real life situation.