



**Canadian Fluid
Power Association**

**Association canadienne
d'énergie des fluides**

2019 Toronto Fluid Power Challenge



The 2019 edition of the Toronto Fluid Power Challenge on April 28th had a record 30 middle schools attending at North Kipling Junior Middle School. Students from each school were asked to design and build fluid power devices, actuated by water-filled syringes to pick up a wooden cylinder and place it on one of three drop zones. They were

evaluated on a set of criteria including the number of cycles completed in a two-minute period and the quality of their design portfolios.

There were two winners at this year's Challenge. Norseman Middle School took the overall award based on a combination of how well their device performed and the quality of their portfolio. The students from Cosburn Middle School won for best portfolio.

The Challenge, which is a partnership of the Canadian Fluid Power Association and the Toronto District School Board, has been held annually since 2001. It is intended to provide Grade 8 students with hands-on experience building a mechanism with real world applicability and to open their eyes and those of their teachers to the world of technology careers and, in particular, careers in fluid power. At a minimum, the organizers hope that the Challenge will encourage students to select more mathematics and science courses in their high school curricula to keep their options open for technology-based post-secondary studies.