

**Cherie Lau (3A), Jamie Kwok (3B) and Chloe Lai (3D)**, members of the school research team, received two bronze awards in the Korea Science and Engineering Fair (KSEF) and the ExpoSciences Mexico in December 2020.

The Korea Science and Engineering Fair 2020 was organized by the Korea Science Service. Over 200 teams from 12 countries joined the event this year. The ExpoSciences Mexico 2020 Virtual was organized by the National Network of Youth Activities in Science and Technology in Mexico. 77 overseas teams from 17 countries joined the competition.

Cherie, Jamie and Chloe studied the effect of climate changes on the growth of green beans and soybeans. They found that the growth and harvest of both beans are more sensitive to low pH and high salinity conditions when the environmental temperature increases. They wish to raise awareness of global warming and air pollution by sharing their research findings.



**soybeans** in nutrient solutions of different conditions (left to right):  
**pH 5.1+salt, pH 4.3, pH 6.5, pH 6.5+salt, pH 5.1**  
 note: beans in solution of pH 4.3+salt had withered



**Best harvest  
at pH 5.1**