

TIANJIN NANKAI HIGH SCHOOL (CHINA)

FOR LONG TIME TRAVEL: A WALKING CRISPER

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Along with the rapid progress of modern technology and economy, the requirement for food taste and nutrition are getting higher and higher. More and more people are tending to take food from home, which are cooked by themselves according to their own needs. Due to various temperature and humidity range in cold winter or hot summer, the needs to keep food fresh from decay has become much more common than before.

In order to solve this issue, 5 students from Tianjin Nankai High School learned the principle of one-way valve and lunch box. Using the knowledge of physics and biology, they completed the initial study and made a prototype to prove the concept. With the laboratory resource in school and the support from school teachers, they inspected the prototype and verified the test.