

## Learning and Teaching Resources Related to Science

Theme	“Tiangong Class” – Space Lectures in China's Tiangong Space Station
Abstract	<p>“Tiangong Class” (space lectures) were conducted by the Chinese astronauts in China’s Tiangong space station. A number of scientific experiments were demonstrated under the special conditions in space. Through the video clips, students are enabled to learn about the physical phenomena under microgravity and to recognise our country’s outstanding achievements in aerospace technology.</p> <p>Details of the space lectures are as follows:</p> <p>The activities of the first “Tiangong Class” include cell growth in space experiment, turn-around movement, buoyancy “disappearance” experiment, water film experiment, water ball experiment, effervescent tablet experiment, and showing the aerospace work and life environment. (Link of the video:</p> <p><a href="https://www.chinadaily.com.cn/a/202112/09/WS61b15455a310cdd39bc7a396.html">https://www.chinadaily.com.cn/a/202112/09/WS61b15455a310cdd39bc7a396.html</a>)</p>  <p>The activities of the second “Tiangong Class” include space “ice and snow” experiment, liquid bridge experiment, water-oil separation experiment, throwing object in space experiment, and introduction and demonstration of space scientific facilities. (Link of the video:</p> <p><a href="https://www.chinadaily.com.cn/a/202203/23/WS623a7f22a310fd2b29e52b80.html">https://www.chinadaily.com.cn/a/202203/23/WS623a7f22a310fd2b29e52b80.html</a>)</p> 
Learning Objectives	<ol style="list-style-type: none"> <li>1. To enrich students’ knowledge in STEAM-related disciplines through learning the physical phenomena under microgravity;</li> <li>2. To enable students to recognise our country’s development and achievements in aerospace technology;</li> <li>3. To arouse students’ interest in science and aerospace technology; and</li> <li>4. To nurture students’ positive values such as perseverance and sense of national identity.</li> </ol>
Related Positive Values and Attitudes	National Identity / Perseverance / Commitment / Responsibility