

Appendix 3. "Exploration of Inclined Planes"

Necessary Materials: Tablets, worksheet

Students are divided into groups of 3 or 4. Each group is given a paper and a worksheet.

Students take photographs of the sloped planes they identify while traveling around the classroom and school.

- They first comment on the inclination of this inclined plane. Students are asked to find an answer to the following question. How do you think you would interpret the slope of this inclined plane (e.g. the slope of this inclined plane is large or the slope of this inclined plane is small)?
- Then comments are made about this inclined plane. Students are asked to find an answer to the following question. Do you think it would be easy to use this inclined plane to carry a load upwards? (e.g. If I want to take a load off, we can take it off easily or we may have difficulty taking a load off.

Name	Comment about the slope	Comment on the inclined plane
Stairs		