

## lesson plan (2)

**Topic/Title of project:**      Analysing types of precipitation

**Goals:**

- Students improve their language skills by reading sentences/observing pictures and diagrams about precipitation and presenting their results in front of the class.
- Students deepen their intercultural competence while preparing the presentation.
- Students practice their speaking skills while working and talking together to find the right playing cards.
- Students deepen their knowledge on precipitation by analyzing temperature and air layer while working with a virtual cloud laboratory and other media.
- Students practice geographical methods when they explain and structure different types of precipitation on a poster.

Time	Phases/content	GA <sup>1</sup>	Material	Comments/Notes
<b>1. Introduction/Warm up</b>				
5'	<ul style="list-style-type: none"> <li>• Yesterday we talked about the water cycle.</li> <li>• Can you shortly repeat it with the help of this diagram and the wordbank?</li> </ul>		Overhead transparency "Water on the land"	Total time: 5 minutes
<b>2. Preparation of product</b>				
8'	<ul style="list-style-type: none"> <li>• Today we will have a closer look on precipitation processes in the atmosphere.</li> <li>• What is precipitation?</li> </ul> <p>→ Students fill in the gaps in exercise 1 (worksheet 1) → Students read their answers loud</p>		Worksheet 1, one for each student	Overhead transparency of exercise 1  Total time: 8 minutes
<b>3. Analyse precipitation processes as hail, rain, snow and sleet</b>				
20'	<ul style="list-style-type: none"> <li>• Teacher explains the material and how to use the cloud laboratory</li> <li>• Teacher divides the class into four</li> </ul>		1 Computer for each pair of students or computer for a group of four	The cloud laboratory can be downloaded from: <a href="https://www.planet-schule.de/sf/multimedia-simulationen-detail.php?projekt=wolkensimulator">https://www.planet-schule.de/sf/multimedia-simulationen-detail.php?projekt=wolkensimulator</a>  Quick access: <a href="http://www.planet-schule.de/sf/php/mmewin.php?id=56">http://www.planet-schule.de/sf/php/mmewin.php?id=56</a>

<sup>1</sup> Group arrangement, e.g. team, partner, ...

	groups. (Hail, snow, rain, sleet)		24 laminated playing cards for each group  1 laminated rule card with some pieces of information for each group	Each group works with all 24 cards to detect all different processes. Each group presents just one process. The teacher has to determine which group presents which process.  Total time: 20 minutes
<b>4. Presentation</b>				
17'	<ul style="list-style-type: none"> <li>Teacher asks students to present their results in front of the class → a group of four students presents their results for hail, snow, rain and sleet</li> </ul>		24 non-laminated playing cards for the poster  glue sticks  A poster DINA2 or bigger  Marker (thick), 2 non-permanent marker (thin) for each group	The poster has to be prepared by the teacher. Students glue their results on it while presenting their results. (See example for a poster on the following pages).  Total time: 17 minutes

**Things to organize/prepare before the lesson:**

24 play cards for each group of four students (copied and laminated)

A copy of worksheet 1 for each student

Glue sticks and marker for the poster

Overhead transparency with copy of "Water on the land" and worksheet 1, exercise 1

1 computer for a pair of students (if possible with the internet link saved on the computer before lesson starts)

1 computer for the teacher