



Erasmus+

Unternehmerisches Denken und sprachliche Vielfalt – eine Brücke in die Zukunft (2015- 2018)

Why we need renewable energy - East Frisia in Climate Change
Geography/Killmann

AUL 1: November, 2015
Rhauderfehn, Germany

lesson plan

Topic/Title of project: Why we need renewable energy - East Frisia in Climate Change

Goals:

- Students improve their language skills by describing photos and satellite pictures of East-Frisian landscape
- Students develop their intercultural competence by discussing the need of renewable energy to prevent people and settlement in lowlands, such as in East-Frisia, to be flooded by sea-level rising during climate change.
- Students receive competence in topographical orientation
- Students learn how sea-level rising affects life in East-Frisia by comparing different satellite pictures
- Students practice geographical methods when they compare and draw maps

Time	Phases/content	GA ¹	Material	Comments/Notes
1. Introduction/Warm up				
	Sattelite picture of the East Frisian Peninsula →Students describe the satellite picture using colors and directions		Google Earth	Computer, Beamer, Internet
2. Preparation of product/Project work/...				
	→ Students describe photos of east frisian landscape using colors, adjectives		Worksheet 1	
	→ Students classify photos and definitions of east frisian landscape using colors, geographical terms and a map		Worksheet 2	
	East Frisia and sea-level rising Now Let's have a look on the situation, when sea-level is rising during climate change (Situation in the year 2100) → Students compare the height of different sea- levels		http://flood.firetree.net/	Computer/Beamer/Internet

¹ Group arrangement, e.g. team, partner, ...

	and the effects on Rhauderfehn and on the east-frisian peninsula			
	→ Students discuss different problems and solutions for people living in lowlands such as Rhauderfehn or in the world.	Partner/ teams		Paper and marker pen
3. Presentation				
	Poster "Consequences for lowland countries during climate change" worldwide → Students compare their answers/ideas on the papers and put them on the poster.			Glue, big poster
4. Conclusion/...				
	Renewable energies are essential to preserve the world from climate change and sea level rising			

Things to organize/prepare before the lesson:
Take care that you have internet in your classroom