**Subject 2: Wind power**

**Introduction**

During this project you are going to make a “pitch” (short and interactive presentation) for younger pupils (age 10-12).

The pupils will visit your pitch, in total 10 groups of each 10 pupils. So you have to do the pitch a total of 10 times! In the end each pupil will decide which pitch was the best/interesting/most informative, by putting a fiche in the box of the concerning Unit. The Unit with the most fiches in the end is the winner!

**Instruction**

Your topic is **Wind power**. Wind power is the use of airflow through wind turbines to provide the mechanical power to turn electric generators. Wind power, as an alternative to burning fossil fuels, is plentiful, renewable, widely distributed, clean, produces no greenhouse gas emissions during operation, consumes no water, and uses little land. The net effects on the environment are far less problematic than those of fossil fuel sources.

**Some points of notice:**

* You are going to interview Ralph Harrewijn from Eurovolt Consultancy, who is specialized in wind energy.
	+ Phone number: 06-21517686
	+ Time: Wednesday 9.30 (call him on Monday to make arrangements)
	+ Place: Insula College
* Show the pupils during your pitch why wind energy is renewable energy and a sustainable way to provide us with energy
* Invent a captivating activity for the pupils to do during your pitch!

**Some sources you can use for this topic:**

* <https://www.youtube.com/watch?v=SQpbTTGe_gk>
* <https://www.youtube.com/watch?v=qSWm_nprfqE>
* <https://www.nationalgeographic.com/environment/global-warming/wind-power/>
* <https://www.ge.com/renewableenergy/wind-energy/technology/what-is-wind-energy>

**Some sources with ideas for learning activities:**

* <https://globaldigitalcitizen.org/21-formative-assessment-tools>
* <http://www.queensu.ca/teachingandlearning/modules/active/12_exmples_of_active_learning_activities.html>
* <https://www.edutopia.org/blog/5-fast-formative-assessment-tools-vicki-davis>

**Schedule:**

**Quizizz in classrooms on Monday:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Group | Hour | Time | Class | Teacher | Classroom |
| **2e** | **3e** | **4e** | **5e** |
| 2 | - | X |  |  | 10.30-11.20 | HV1C | DKH | HK23 |
| HV1G | ZOM | H222 |

**Workshops:**

* Monday 9.30-10.30 Solar cell (Science Truck)
* Tuesday 9.20-10.10 Bioluminescence (Science Truck)
* Tuesday 10.30-11.20 Interviewing (H211)

**Monday** (H027, between 11.20 and 13.00 in HK24)

* 13.30-15.30: working on the science project:
	+ Discuss with your unit what you want to show to the pupils
	+ Make a start with the pitch (presentation + activity) of 8 minutes
	+ Arrange an interview with company/organisation
	+ Make a list of materials you need for the activity and make sure you have this materials in time!

**Tuesday** (Start in H101, from 11.00 in H027)

* 9.00-16.00:
	+ Working on the pitch (presentation + activity) of 8 minutes

**Wednesday** (H027)

* 9.00-12.30:
	+ Interview with Ralph Harrewijn (9.30)
	+ Working on the pitch (presentation + activity) of 8 minutes

**Thursday** (H027)

* 9.00-14.30:
	+ Working on the pitch (presentation + activity) of 8 minutes
	+ 9.20-11.20: Rehearsal of pitch (lower class students)
	+ Use the feedback to make adjustments to your presentations

**Friday** (H027)

* 9.00-9.30:
	+ Last preparations
* 9.30-12.00:
	+ Presentations for primary school pupils