Lesson plan: weather signs bee-bots (look to the german version for attachments, please)

Preparatory work:

• Getting to know weather signs:

o Comparing weather reports (erasmus + homepage, newspaper, various weather forecasts Internet) => all weather signs are simply drawn and self-explanatory

o Collect various "weather" for weather signs => paint weather signs for the plan of the

bee- bots

Working with the bee bots

(Students already know how the bee bots work)

(Preparation by teacher:

o Put children's weather signs in the plan

o Photograph plan and print in color on DIN A 5. (Always 2 students a plan). Each student

a mini-bee-bot (laminated paper glued on round tile)

(This is how several children can work at the same time: First the way and the

programming at the bee-bot are tried out and written down on the small plan.) Then the students enter their code on the real bee-bot and check their "programming" for correctness.)

• repetition of the weather signs / possibly knowledge of individual "weather"

o weather card: A "wrong" is there. What? Why?

(repetition of knowledge from the last project day: rainbow is no weather sign, because it`s

only visible from the right point of view -> a beautiful phenomenon that arises when the

two weather rain and sun coincide)

• Method:

1. Student select the start and the end:

2. Start: Put Mini- bee-bot on the small map, image is entered in box 1.

3. Students draw the arrow to the picture in box 1, where the bee-bot is now running.

4. bee-bot is set in the direction of the arrow on the next picture, paint box 2, enter arrow,

…

Caution: When the bee-bot is turning around, the same weather sign must be drawn twice

in succession.

• Differentiation:

o By individually setting the start and end point.

o How many boxes do you need to reach your destination?

o What kind of weather do our partner schools have? (see erasmus + page). Walk with the

bee-bot to the appropriate weather signs.

* Look at the weather forecast for the next 2 days. Walk with the bee-bot to the appropriate weather signs.