



SMART EDUCATION: EXPLORE CLIL BY USING ROBOTICS

A child from a green future



Europaschule am Friedenspark in Hemer presents...

...how to create a pop-up book on a green future

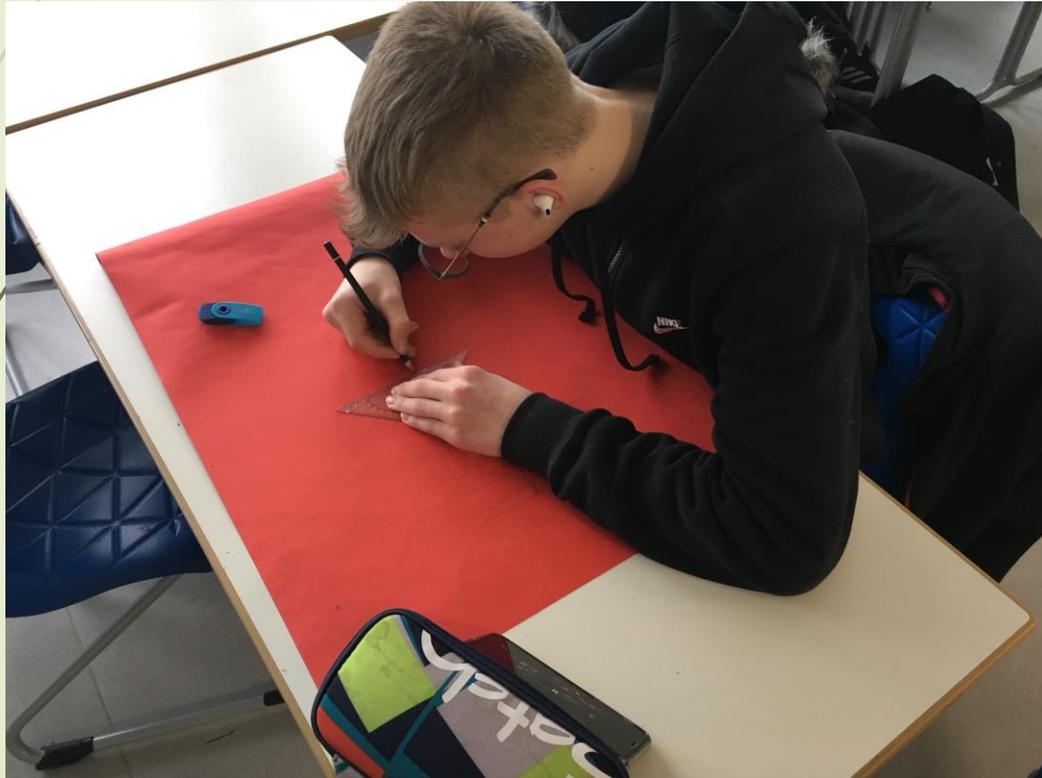
Preparation time

Getting ideas of future cities...



Working time

Getting creative with handicraft...

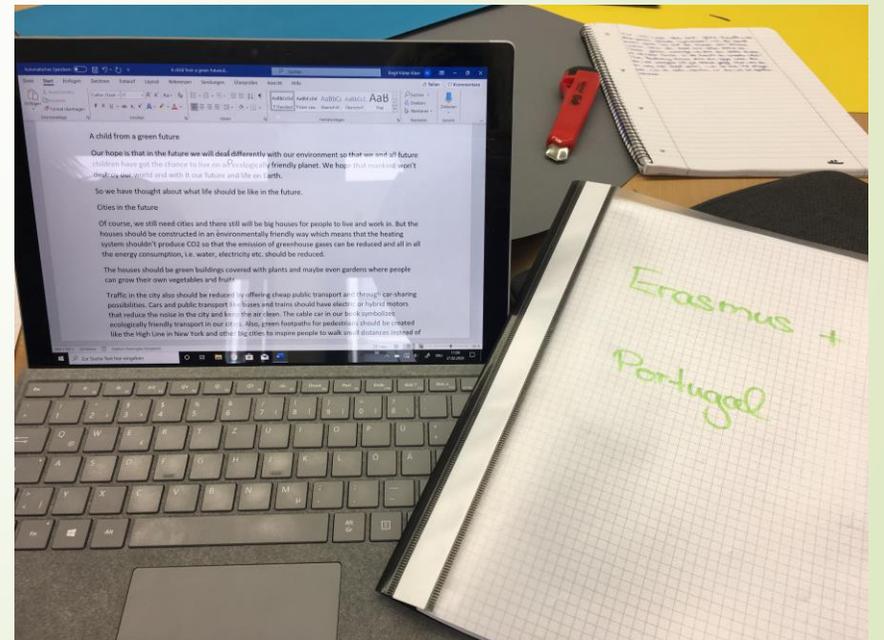


First successes

While some participants were doing handicrafts...



...the others were writing down their ideas of environmentally friendly future cities.

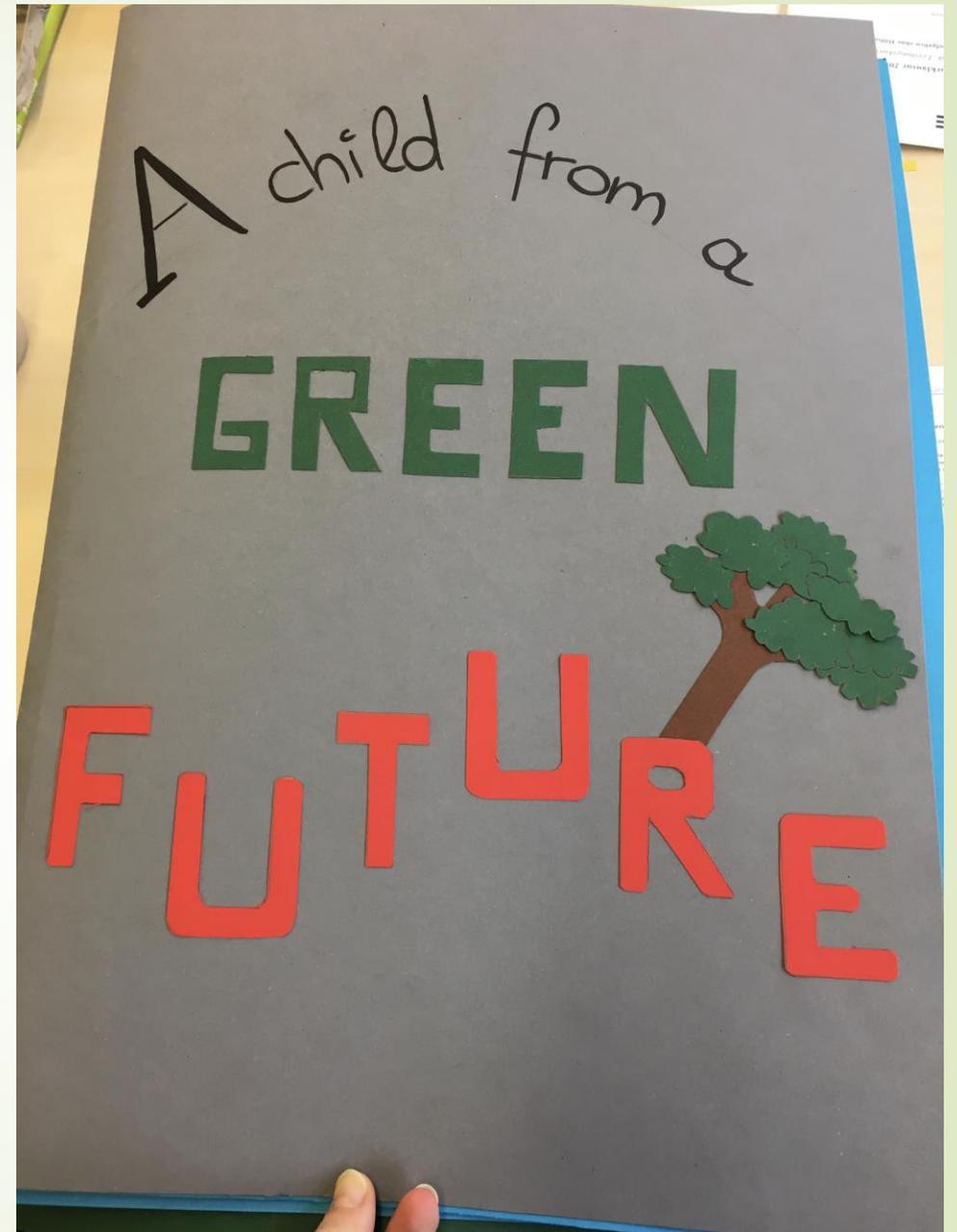


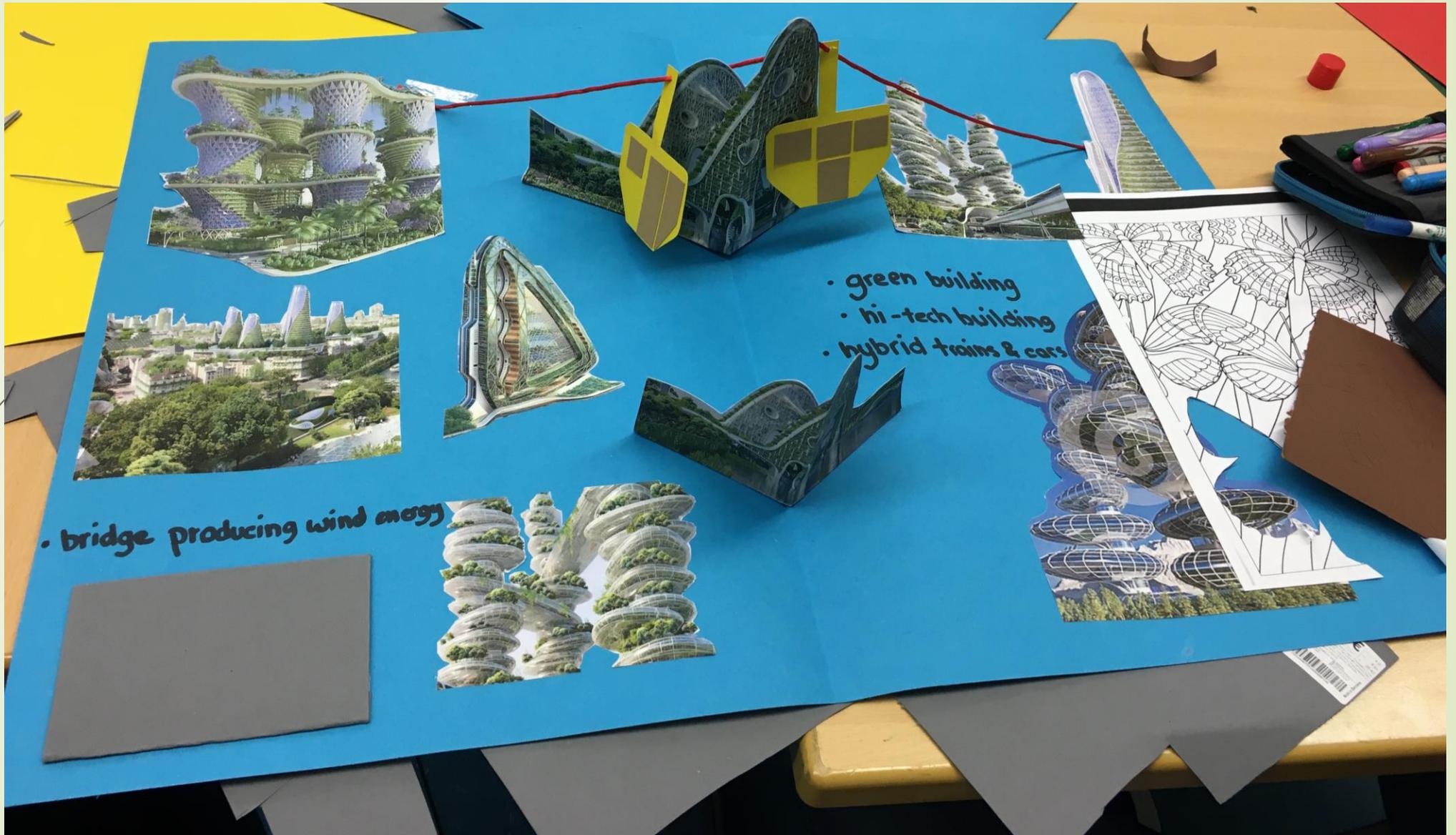
Outcome

Our hope is that in the future we will deal differently with our environment, so that we and all future children have got the chance to live on an ecologically friendly planet. We hope that mankind won't destroy our world and with it our future and life on earth.

So, we have thought about what life should be like in the future.

Enjoy our pop-up book.







First page – green cities in the future

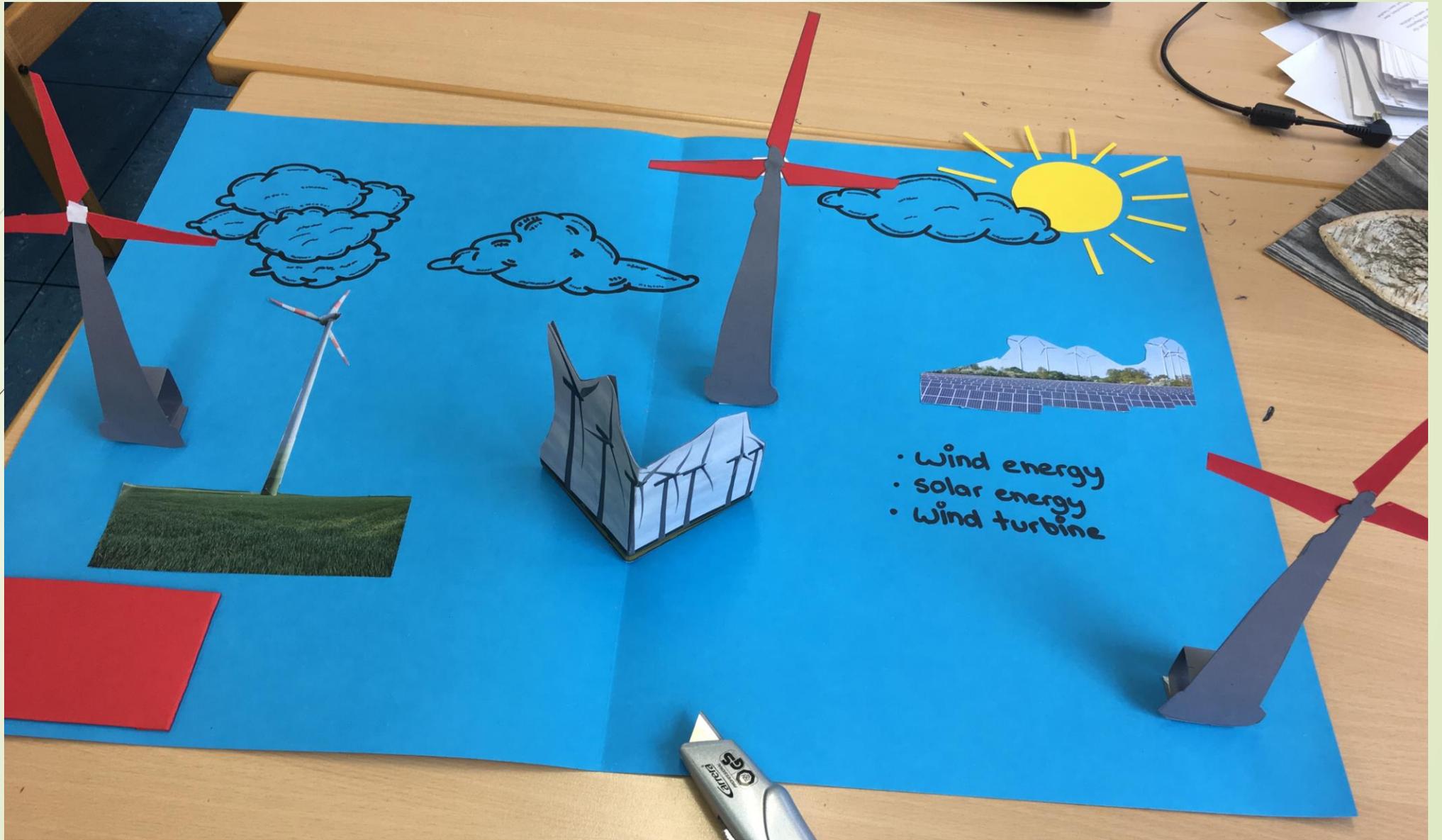
- ▶ Of course, we still need cities and there still will be big houses for people to live and work in. But the houses should be constructed in an environmentally friendly way which means that the heating system shouldn't produce CO₂ so that the emission of greenhouse gases can be reduced and all in all the energy consumption, i.e. water, electricity etc. should be reduced.
- ▶ The houses should be green buildings covered with plants and maybe even gardens where people can grow their own vegetables and fruits.
- ▶ Traffic in the city also should be reduced by offering cheap public transport and through car-sharing possibilities. Cars and public transport like buses and trains should have electric or hybrid motors that reduce the noise in the city and keep the air clean. The cable car in our book symbolizes ecologically friendly transport in our cities. Also, green footpaths for pedestrians should be created like the High Line in New York and other big cities to inspire people to walk small distances instead of using the car all the time.





Second page – parks in the future

- ▶ In the future, there should be more parks which conserve our nature and protect our environment. They also offer a living space for wild animals and help to maintain an ecological balance within our cities or nearby. This helps keeping the air clean and avoids air pollution.
- ▶ The parks as well are very important for younger and older people because they offer an attractive place to relax, do sports, have picnics with family and friends and other recreational activities.
- ▶ The water dispensers stand for sustainability by avoiding plastic containers and thus keeping the environment clean. Furthermore, water is a very healthy and vital raw material which is essential for all areas of our life. Water keeps our planet going and with it all creatures so that value and preserve it.



- Wind energy
- solar energy
- Wind turbine



Third page – green energy in the future

- ▶ As you can see here in our 3D book, solar energy and wind energy will be another very important aspect in our future. We should construct more wind turbines and solar panels to produce power in an environmentally friendly way. Our natural resources like wind, sun and geothermal heat should be used more and more efficiently so that ecologically harmful ways of producing energy like coal-fired plants can be closed. Scientists and engineers in Germany already work on solar streets and artificial wind islands in the North Sea for our green future.
- ▶ Another important aspect also is to reduce energy consumption by inventing electronic and electric devices that consume less energy like for example LED light bulbs. For consumers it is important to pay attention to the energy efficiency class when buying new domestic appliances.



We hope you liked our presentation and our 3D book and that you share our hopes for a better future.

Thank you for listening. 😊



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Pop-up book design: Tom Gonschorek, Luke Hinrichs, Finn Rothöft
Project coordination: Birgit Klüter-Klein, Sabrina Kaltenbach