

# International strategy of the scientific technical academy (naturwissenschaftlich-technische Akademie =nta) in Isny (2022-2029)

## 1. Exchange with partner companies and schools as well as universities

The possibility exists to do practical trainings abroad most of all for BIOTAs and CTAs at the following institutions:

Heriot-Watt University Edinburgh, Scotland, UK  
Ecole Nationale Supérieure de Chimie, Mulhouse, France  
Vancouver Island University, Canada  
Le Tourneau University Longview, Texas, USA  
Università Torino, Italy  
Universität Opole, Poland  
Universidad de Malaga, Spain  
Joanneum Graz, Austria

For PTAs we have a long-lasting relationship with a PTA-school, Grenoble, France but also with pharmacies in Péroussin near Lyon, France.

For assistants in the field of information technology we hope to find further possibilities by the longstanding contacts with our partner companies which have branches in the USA.

Our goal is to gain further exchange partners abroad by our partner companies in Germany.

Thanks to the Erasmus programme pupils can afford to do their practical training or to do further education. In addition also pupils with handicaps are supported.

## 2. Experiences of pupils doing their practical training abroad

Nowadays in sciences we offer an education as

CTA = chemical technical assistant,  
BIOTA = biotechnological assistant,  
AIK = assistant in communication and information technology,  
PTA = pharmaceutical technical assistant.

A good knowledge of English is indispensable. Every job offer states that a good knowledge of English is necessary.

Technical assistants work in international global teams. PTAs have more and more clients from abroad. As a four week practical training is mandatory during our education the pupils have the chance to do their practical training abroad. The PTAs have to do their practical training in Germany but as a supplement experience they can do their practical training abroad.

This is a clear advantage for their future application and for their job career.

### **3. Improvement of language skills**

The pupils have the chance to improve their language skills abroad. Tests such as TOEFL paper-based or the information about TOEFL interbased and IELTS can be offered for the pupils for further studies abroad or international study courses or work placements abroad. This strengthens their skills of interdisciplinary and international knowledge such as to work in international research teams.

### **4. Report about the practical training**

Pupils can report about their own experiences abroad and therefore motivate other pupils to do also a practical training, they can give some tips about certain issues such as finding a room or bureaucratic issues you have to care for.

### **5. Exchange of teachers**

We would like to offer also an exchange of teachers and further education abroad. This opens horizons and makes it possible to learn from each other. This exchange has to be built up in the next few years.

### **6. Regular meetings with our partners abroad also on an online basis**

We would like to make sure that we exchange regularly our experience and set common aims for every year so that a so called win-win situation arises.

### **7. Evaluation of the exchange programme by a questionnaire and the pupils' committee**

To make sure that we explicitly care for the needs of the pupils we have regular talks with them and we evaluate our work by a questionnaire and the meetings with the pupils' committee so that they can bring in their ideas and improvements.

### **8. Expansion of common projects**

The pupils (CTAs, BIOTAs, AIKs) have to present a project work at the end of the education. This project work can be also done with our partners abroad. We have for example a mandatee for energy saving and sustainability. So a common project could be an environmentally-friendly bee-friendly schoolyard.

## **9. Regular information lectures and reports in the social media**

The staff in charge of the Erasmus programme regularly holds lectures about the financial support and options available of the Erasmus programme, such as practical trainings, further education both for pupils and teachers.

## **10. Strengthening of the unique feature of the nta by teamteaching**

The nta is the only school which offers teamteaching lessons, that means that two teachers teach a subject. One English teacher in English and one teacher in sciences about a scientific subject in German. This has the advantage that pupils immediately learn their specific scientific vocabulary in their subjects in English.