Knowledge Transfer and Public Outreach

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**MAIN OBJECTIVES**

Successful promotion of MINT (mathematics, information technology, natural sciences and technology, engl.: STEM) requires coordination of existing initiatives and installation of new high quality methods.

Establishment of a common organizing institution MINT-Offensive Regensburg (MINTOR) with CRC scientific support for all involved schools, universities, companies, the City of Regensburg.

**ONGOING MEASURES**

- Regensburger Schülerlabor / RZ
- Nacht schafft Wissen
- Holiday Camp
- Leisure Coding
- Physik Haustuhl

**MINTHOUSE AND OTHER MINT ACTIVITIES**

**MINT-Offensive Regensburg (MINTOR)**
- one institution coordinates all involved ones: schools, universities, companies, tradespeople, municipality, foundation, City of Regensburg
- MINT-house as a central heart of the region
- unique in Germany

**Principles**
- topics within and outside of the curriculum
- both general funding and excellence funding
- MINTpromotion for girls and young women
- support from UR to ensure pedagogical effectiveness

**CRC scientific support and input**

Scientific support in development, set up and supervision of experiments for pupils, e.g.
- exfoliation and luminescence of two-dimensional TMDC crystals
- visualization of asymmetric domain wall expansion
- scanning-tunneling microscopy of two-dimensional materials

**CRC financial support / other benefits**

- 4 student assistant positions (2 financed by UR, 2 by DFG)
- early integration of students into research projects

**MINThouse**

Essential element of MINTOR will be a MINT-house with 3 pupils’ labs and a pupils’ research center:
- “dry lab” – physics, IT, …
- “wet lab” – chemistry, photo lab, biology, …
- “dusty lab” – handicraft, wood, metal, …
- forum for presentation, exhibition, further training, …

**MINT Girls Regensburg**

- annual eight-month project
- girls only
- scientific methods of research as well as soft skills
- in cooperation with Deutsches Zentrum für Luft- und Raumfahrt DLR and Ostbayrische Technische Hochschule Regensburg