



Institut zur Qualitätsentwicklung
im Bildungswesen

Institute for Educational Progress

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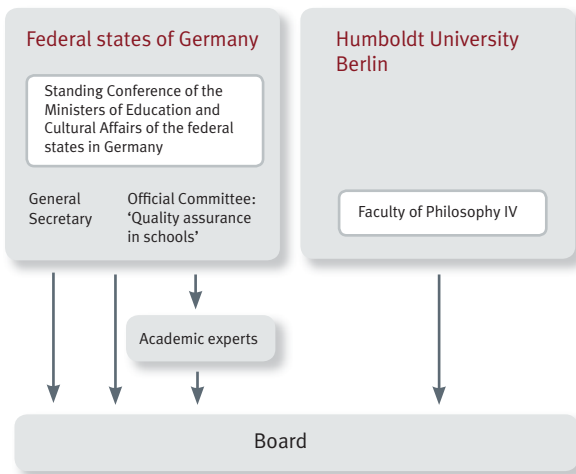
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The Institute for Educational Progress is very centrally located close to Friedrichstraße and Unter den Linden.

- ▶ From Tegel airport it takes 30 minutes by bus (TXL Express).
- ▶ There is limited availability of parking spaces at € 0.50 / 1/2 hour.

HUMBOLDT-UNIVERSITÄT ZU BERLIN



Institut zur Qualitätsentwicklung
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Institute for Educational Progress

Perspectives and visions.
The standardization and illustration
of national educational standards
in the federal states of Germany.
Introducing the IQB.





IQB:

The *Institute for Educational Progress* (German: *Institut zur Qualitätsentwicklung im Bildungswesen, IQB*) is an interdisciplinary institute at the interface of research and practice. The IQB supports all sixteen federal states in Germany in their endeavors to ensure that the quality of educational processes are monitored and continually improved upon.

The core mandate of the IQB is to establish national performance scales based on the national educational standards and to develop the standards further. Moreover, the IQB supports schools in their implementation of the standards through the creation of large pools of standards-based tasks. To achieve these objectives, the IQB closely collaborates with the individual states as well as with nationally and internationally renowned experts and institutions. The results of the work at the IQB are made accessible to the states, schools, and the general public.

How the IQB was created

The unsatisfactory performance of German students in international achievement studies such as TIMSS and PISA has resulted in a variety of measures to improve educational processes. One of these measures was the development and publication of national educational standards for multiple subjects by the Standing Conference of the Ministers of Education and Cultural Affairs of the federal states in Germany (*German: Kultusministerkonferenz, KMK*) in 2003. Those standards are an important instrument that allows for the documentation and the evaluation of educational processes. Furthermore, the standards are the basis upon which instructional materials can be developed, which help to raise the general achievement profile of students in the German educational system.

An important additional step in this process was the creation of the IQB in 2004 as a research-oriented institute at the Humboldt-University in Berlin. In the institute, several interdisciplinary teams work under the direction of Prof. Dr. Olaf Köller, an experienced educational researcher and psychologist with extensive training in empirical research methods. Each team consists of scientists with training in pedagogy, psychology, and measurement that work alongside teachers with practical experience in instruction, administration, and research.

Our objectives

The core objective of the IQB is to establish national performance scales based on the national educational standards, to develop the standards further, and to advance their implementation in schools. To achieve these objectives, large collections of tasks for classroom practice and standardized testing are developed through the institute and empirical research projects that build on these tasks are conducted. The research projects can be divided into the five research areas with the work in each area being explicitly referenced to the standards.

The following research areas exist at the IQB:

1. The specification and empirical evaluation of theoretical models of student competency as specified in the national educational standards
2. Pedagogical diagnosis of student competencies and the development of intelligent feedback-systems
3. Empirical research on teaching and learning based on the national educational standards to identify optimal conditions for these processes
4. Evaluation of innovative school projects in various states
5. Technology-based testing

The work at the IQB is, thus, an important building block in the comprehensive process of optimizing the German educational system so that all students can benefit from an improved culture of teaching and learning grounded in the national educational standards.