

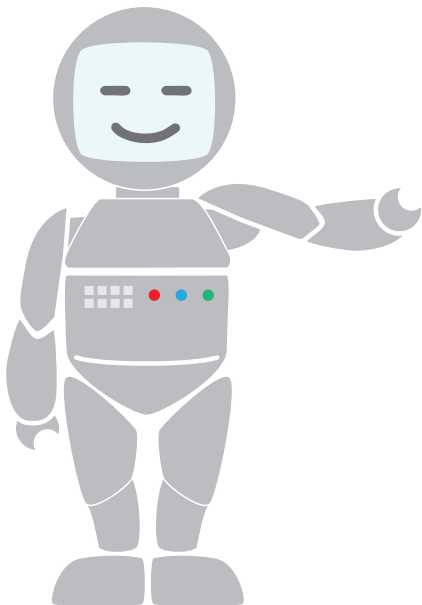
ARTI

Action Research for Technology Integration

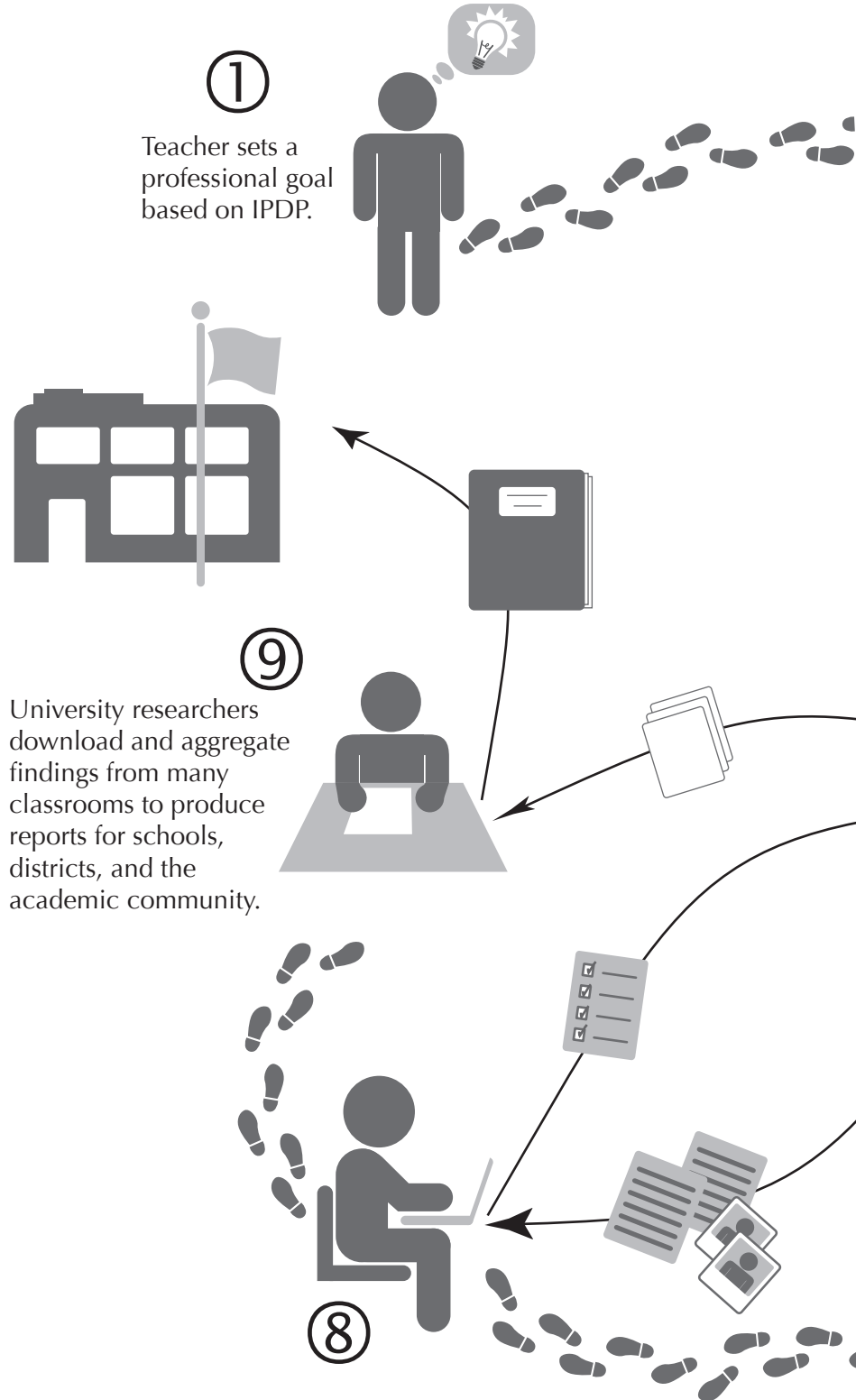
What is Action Research?

Action research (or teacher inquiry) is a means for teachers to study the effects of their teaching practices on student learning. The advantage is that action research can lead to heightened professionalism and positive educational change. The inherent disadvantage of action research is that findings are rarely shared or tested beyond one classroom. ARTI overcomes this concern by leading many teachers through a structured research process and aggregating the findings from hundreds of classrooms. ARTI also ensures that individual findings are evidence based, by collecting teacher and student artifacts, which are then rated by independent, trained evaluators.

The adjacent diagram shows a typical AR cycle. ARTI serves as an electronic mentor to guide teachers through the AR process. ARTI also collects data and supporting artifacts from each research project. Powerful data manipulation and reporting capabilities allow researchers to efficiently report findings to schools and districts. Teachers may participate in multiple AR cycles.



A Walk Through the Action Research Process



①

Teacher sets a professional goal based on IPDP.

⑨

University researchers download and aggregate findings from many classrooms to produce reports for schools, districts, and the academic community.

⑧

Trained evaluator downloads the “before” and “after” lesson plans and student artifacts for review. Artifact ratings are uploaded into the ARTI database.

Teacher uses a computer to upload a sample lesson plan and student artifact into the ARTI database. These items document both the teacher's beginning level of technology integration and the student's level of achievement.

②

③

Teacher identifies a question, problem, concern, or area of interest to address.

④

Teacher attends professional development opportunity provided by the Florida Digital Educator program to learn methods of improving teaching effectiveness and student achievement through technology integration.

⑤

Teacher logs onto ARTI to:

- identify context (grade level, subject, etc)
- specify the strategies to be employed
- identify data points

⑥

Teacher conducts classroom activity using specified strategies

⑦

Teacher logs onto ARTI to:

- input findings and the implications of their findings
- upload a sample lesson plan and student artifact

