

## The Application of Program Evaluation Methods to the Implementation of Computer Science Education in Fifteen Iowa Elementary Schools

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Porzellangasse 4, 1090 Wien, Stiege 2, 3. Stock, Seminarraum 4

### **Abstract**

This presentation describes a multi-site program evaluation of the implementation of a new Computer Science education program designed for elementary school children. Methods included the observation of professional development for teachers in 15 elementary schools across the Midwestern state of Iowa, the presentation of classroom lessons, and groups of students coding in small groups. In addition, teachers were surveyed about what worked in their training and what additional skills they would need to teach computer science skills in the future. Program evaluation allowed for continuous program improvement as well as monitoring implementation fidelity across sites.