Recruitment Information

The purpose of ROOT is to improve Grades 6-8 students’ mathematics achievement in modeling and problem solving through effective sequencing of instructional practices.

Program Capacity
16-18 Partner Middle & Junior High Schools
100 Grades 6-8 mathematics teachers

Benefits
- Free, sustained PD led by Boise State faculty and full-time Regional Math Specialists
- Specific focus on improving ISAT math performance through best practices
- Up to $6000 in stipends over 3 years per teacher
- Up to 9 paid PD credits over 3 years per teacher
- Stipends for schools to support data submissions (up to $2000/year per school)

Teacher Commitments
- Participate in PD activities (see timeline)
- Select and utilize sequences of research-based instructional practices in your classes
- Continue with the project for all 3 years.

School Commitments
- Encourage teacher participation
- Administer mid-year math assessment
- Submit student math assessment data (within data security protocols)

Selection Priorities
Region 3 & 4 schools in partner districts
Schools with at least half of eligible teachers participating
Teachers expressing strong commitment to participation requirements
Full-time grades 6-8 mathematics teachers

Learn More & Apply
bit.ly/root-apply
boisestate.edu/rmc/programs/root
**ROOT Project Timeline**

### Phase I
- **Fall 2019**: Teacher/School Recruitment
- **Spring 2020**: 1 credit PD Module (Feb 1, 22, Mar 14), Initial Data
- **Summer 2020**: Summer Institute #1 (June 22-25) - Plan Investigations

### Phase II
- **Fall 2020**: Group Investigations of Instructional Strategies
- **Spring 2021**: Individual Investigations of Instructional Strategies
- **Summer 2021**: Summer Institute #2 - Prepare for Study

### Phase III
- **Fall 2021**: Instructional Strategy Study, Part I
- **Spring 2022**: Instructional Strategy Study, Part II
- **Summer 2022**: Conference on Teaching Modeling & Problem Solving

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**About the ROOT Instructional Strategies**

**Explicit Attention to Concepts**
When math teachers use practices that directly draw students’ attention to concepts (connections among facts, procedures, and ideas), they help students develop habits of reasoning that go beyond memorization, recall, and application of skills.

**Student Opportunities to Struggle**
Providing students with time to struggle (expend effort to make sense of graspable content), by overcoming points of confusion, can stimulate personal sense-making skills, build habits of perseverance, and promote students’ openness to challenges.

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