

# **SCHOOL DYNAMICS PROJECT**

## **Factors Affecting and Affected by Differential Student Achievement**

- **Family wealth**
- **Family education**
- **Family nutrition**
- **Family health care**
- **Pre-natal nutrition**
- **Pre-natal health care**
- **Pre-natal maternal trauma**
- **Early childhood nutrition**
- **Early childhood health care**
- **Parenting practice:**
  - **Early childhood language development**
  - **Early childhood question and answer style development**
  - **Early childhood aspiration and expectation development**
- **School leadership**
  - **School leadership training**
  - **School leadership recruitment**
  - **School leadership evaluation**

- **School leadership professional development**
- **School-community leadership**
- **Teacher quality**
  - **Teacher training**
  - **Teacher recruitment**
  - **Teacher supervision and evaluation**
  - **Teacher professional development**
- **Student instruction**
  - **Instructional content**
  - **Instructional methodology**
    - **Classroom pedagogy**
    - **Student academic support**
  - **Student behavior regulation and control**
  - **Student non-academic learning and support**
  - **Learning time**
    - **Student engagement**
    - **Time in school**
      - **Length of school day**
      - **Number of school days per week**

- **Number of school weeks per year**
  - **Summer learning**
- **Student motivation**
- **School organizational learning**
- **School resource aggregation and allocation**
- **School-community collaboration**
- **School finances**
  - **Public fiscal support**
  - **Gifts and grants**
  - **Resource allocation (objects of cost)**
- **Student academic achievement**
  - **Content knowledge**
  - **Accessing and analyzing information**
  - **Critical thinking and problem solving**
  - **Effective oral and written communication**
- **Student personal intelligence**
  - **Ability to work with others and resolve conflicts**
  - **Social communication skills**
  - **Ability to influence others**

- **Sense of social responsibility**
- **Student character development**
  - **Perseverance**
  - **Self-confidence**
  - **Resilience**
  - **Self-discipline**
  - **Punctuality**
  - **Curiosity and imagination**
  - **Initiative and entrepreneurialism**
  - **Student curiosity and imagination**
- **Post-schooling life chances**
  - **Higher education**
  - **Job options and income**
  - **Marriage and family**
  - **Lifetime social behavior**