



THE WORLD BANK



# **Evaluating Impact: Turning Promises into Evidence**

## **Jordan Education Initiative**

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# 1. Background...cont.

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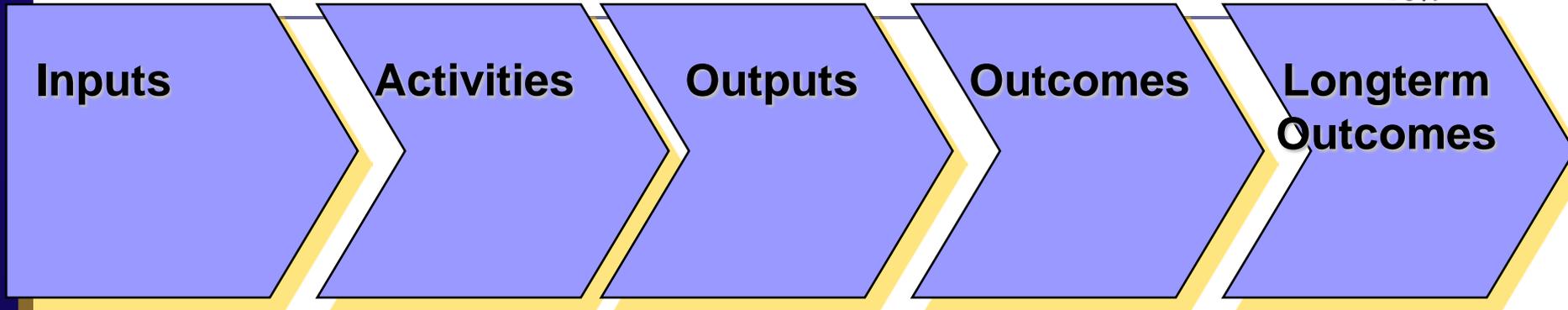
- The Jordan Education Initiative was launched in 2003 as the first public/private-local/global partnership. From 2003-2007 it worked under the umbrella of the World Economic Forum
- 100 schools in Amman were selected for piloting-these schools were called the Discovery Schools.
  - There were three tracks of the JEI: The Discovery Schools, development of the local ICT sector, and the lifelong learning.

# 1. Background

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- Six e-content were developed including: math, Arabic, science, English, ICT, and civics
- In 2007 a comprehensive impact assessment was funded by the USAID and carried out by EDC, and RTI to evaluate the PPP, the classroom pedagogy, technology infrastructure, and total cost of ownership.

# 2. Results Chain



**-Prerequisite vision, political will, ERfKe, educational policies**  
**-financial resources**  
**-human resources from the public and private sectors**  
**-technology expertise**

**-training**  
**-studies**  
**-develop e-content**  
**-providing technology**  
**-adopting change management**  
**-building the national broadband network**

**- preparing and equipping 100 schools with technology**  
**- training 3000 teachers**  
**- developing the 6 e-curricula**  
**- 80,000 student were influenced by technology**

**-improved learning performance as measured by PISA, TIMSS, and NAfKE**  
**-improvements in teachers strategies adopted in the classroom**  
**- improve attendance of students and reduce drop outs**  
**- improving students IT skills**  
**-developing the local IT sector**

**-improve skills for employability**  
**-minimize discrepancies and provide opportunities for all**

# 4. Outcome Indicators

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- ❑ Students average scores in the national and international studies and % of students reaching defined benchmarks
- ❑ Teachers performance in the classroom
- ❑ % of teachers integrating technology in their teaching
- ❑ Students and teachers attitudes towards technology
- ❑ % of students attendance
- ❑ % of students who drop out of school
- ❑ Revenues of the local companies that are partner with the JEI
- ❑ Competitiveness edge of the local IT companies as measured by the number of contract locally, regionally, and globally, and the number of IT products been developed

# 3. Primary Research Questions

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- ❑ What is the impact of the JEI on students learning performance and 21<sup>st</sup> century skills?
- ❑ To what extent does the JEI affect the teaching strategies adopted in the classroom?
- ❑ What is the impact of the JEI on students attendance and drop out?
- ❑ What is the impact of the JEI on developing the local IT sector through the public-private partnership?

# 5. Identification Strategy/Method

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- Matching
- Difference in Difference

## 6. Sample and data

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- The 100 Discovery schools are distributed into 4 school districts in Amman. A suggestion strategy for sampling will be:
  - Two elementary schools for girls and two for boys from each district
  - then two secondary schools for boys and two for girls from each district
  - Total: 32 schools (16 elementary and 16 secondary)
  - Then match them with 32 non discovery schools based on data from 2003
- Another sample will include all the local IT companies to measure the impact of the partnership on these companies.

## 6. Sample and data...cont.

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- The data to be collected are:
  - baseline data for the schools in Amman school districts in 2003
  - Data on attendance and drop outs
  - Classroom observations, focus groups, and interviews
  - Baseline data on local IT companies in 2003
  - Data on companies that partnered with the JEI in 2012 ( revenues, contracts, and products)

# 7. Time Frame/Work Plan

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- Data Will be collected on yearly basis starting 2009 up to 2012

# 8. Sources of Financing

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- Donor Agencies