SUPPORTING TEACHERS THROUGH GLOBAL CHALLENGES WITH THE SCIENCE OF LEARNING

THE ROLE OF A RESEARCH NETWORK

BUILDING A BRIDGE BETWEEN TWO WORLDS

ROBERTO LENT
TRANSLATIONAL RESEARCH IN HEALTH

FROM BENCH...

UNIVERSITIES
- Researchers / Professors
- Graduate Students
- Undergraduate Students

SPIN-OFFS and START-UPS
- Researchers / Professors
- Technicians

BIG BUSINESS
- "BIG PHARMA"
- Entrepreneurs / CEOs
- Researchers / Professors
- Technicians

HEALTH SYSTEMS
- Hospitals
- Clinics
- Health Professionals
- Health Managers

...TO BEDSIDE

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...TO BEDSIDE
INFANT MORTALITY RATE BY REGION, 1950-2050.


Life Expectancy by Region, 1950-2050

Source: UN World Population Prospects, 2017

**TRANSLATIONAL RESEARCH IN HEALTH**

**POSITIVE RESULTS**
TRANSLATIONAL RESEARCH IN HEALTH

VERY ACTIVE IN THE PANDEMICS
WHAT ABOUT EDUCATION?

STUDENTS PERFORMANCE – PISA TEST

- 10 TOP COUNTRIES
- AVERAGE OECD
- BRAZIL


Scores: 350, 400, 450, 500, 550, 600
WHAT ABOUT EDUCATION?

STUDENTS PERFORMANCE – PISA TEST

WHAT ABOUT EDUCATION?

STUDENTS PERFORMANCE – PISA TEST
TRANSLATIONAL RESEARCH IN EDUCATION
GREAT NEED DURING AND AFTER COVID-19

REMOTE LEARNING
ARE BRAIN MECHANISMS SIMILAR FOR REMOTE AND F2F LEARNING?
ARE INTERNET NETWORKS CAPABLE OF SCALING IT WORLDWIDE?
HOW TO GUARANTEE EQUAL OPPORTUNITIES IN EACH COUNTRY?
HOW TO GUARANTEE EQUAL OPPORTUNITIES INTERNATIONALLY?
CAN SOCIOEMOTIONAL ABILITIES BE TAUGHT REMOTELY?
HOW TO PROVIDE IT TO CHILDREN WITH SPECIAL NEEDS?
CAN ALL DISCIPLINES BE EQUALLY TAUGHT REMOTELY?
HOW MUCH REMOTE, HOW MUCH F2F?
HOW TO DESIGN INNOVATIVE MEDIA?
HOW MUCH EMPATHY CAN IT CONVEY?
CAN ALL SCHOOLS COVER THE COSTS?
HOW CAN EFFICACY BE ASSESSED?
HOW TO PROVIDE EQUAL ACCESS?
HOW CAN A.I. CONTRIBUTE?
ARE TEACHERS PREPARED?
ARE SCHOOLS PREPARED?

DID REMOTE LEARNING COME TO STAY?
SCIENCE FOR EDUCATION: THE CONFLUENCE OF DISCIPLINES

BRAZILIAN NETWORK OF SCIENCE FOR EDUCATION

- Neuroscience
- Psychology
- Linguistics
- Digital Technologies
- Physics
- Mathematics
- Statistics
- Sociology
- Pedagogy
- Economy
- Physiology
- Political Sciences
1. DEVELOPMENT OF A SEARCH PLATFORM
2. INVITATION OF FIRST 50 MEMBERS (SCIENTISTS)
3. INVITATION OF FIRST 3 PARTNERS
4. ORGANIZATION OF SCIENTIFIC MEETINGS
5. WORK GROUPS AND PUBLICATIONS
6. ESTABLISHMENT OF FORMAL STRUCTURE
7. INVITATION OF FIRST CpE FRIENDS (TEACHERS)
8. FORMAL INTERNATIONAL CONTACTS
9. FIRST CALL FOR RESEARCH PROJECTS
10. FOUNDATION OF GSOLEN
SCIENCE FOR EDUCATION

http://cienciaparaeducacao.org/eng

BUILDING A BRIDGE BETWEEN TWO WORLDS

THANK YOU
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