

# Research & Best Practices

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## Nine Keys to Student Achievement and Cost-Effectiveness

1. **Intervention classes**—Technology is integrated into every intervention class period
2. **Change management leadership by principal**—Leaders provide time for teacher professional learning and collaboration at least monthly
3. **Online collaboration**—Students use technology daily for online collaboration
4. **Core subjects**—Technology is integrated into the core curriculum weekly or more frequently
5. **Online formative assessments**—Assessments are done at least weekly
6. **Student-computer ratio**—Lower ratios improve outcomes
7. **Virtual field trips**—With more frequent use, virtual trips are more powerful. The best schools do these at least monthly
8. **Search engines**—Students use daily
9. **Principal training**—Principals are trained in teacher buy-in, best practices, and technology-transformed learning

**Project RED**  
Revolutionizing Education

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- Pearson has been doing research to better understand what the most important drivers are of cost effective student achievement
- Project Red was seminal research that involved surveying more than 1000 schools who were noted for being pervasive users of technology
- Project Red identified 9 success factors associated with schools achieving academic success and cost effectiveness
- It was noted within the findings that schools who were found to be doing more of these factors in parallel/at once had higher achievement gain rates and better cost effectiveness
- Conversely schools who were only doing a small number of these things were found to have lower student achievement gain rates

# Project RED: Potential Savings

Category	National Impact	Per Student
Student data mapping	\$605,000,000	\$11
Online professional learning	\$654,000,000	\$12
Teacher attendance increase	\$718,200,000	\$13
Power savings	\$861,666,667	\$16
Digital core curriculum savings	\$935,000,000	\$17
Disciplinary action reduction	\$1,100,000,000	\$20
Post-secondary remedial education	\$1,660,000,000	\$30
Digital supplement materials vs. print	\$1,700,000,000	\$31
Copy machine cost calculations	\$2,200,000,000	\$40
Online assessment savings	\$2,392,500,000	\$44
Dual/joint/AP course enrollment	\$3,180,343,000	\$58
Paperwork reduction	\$3,300,000,000	\$60
End of course failure	\$5,865,200,000	\$107
<b>Total per student, excluding dropout savings</b>	<b>\$25,171,909,667</b>	<b>\$448</b>