SCIENCE EDUCATION NEEDS AN UPDATE

Most states based their current K-12 science standards on reports dating back nearly twenty years! Since that time, we've made major

HOW CAN U.S. STUDENTS RECEIVE A HIGH-QUALITY SCIENCE EDUCATION IF STATES' STANDARDS ARE STUCK IN THE '90S?

advances in science and technology and gained a better understanding

of how students learn these subjects.

1995

1996

1997

1999

2000

2001

2003

2005

2006

2010

2008

2012

2014



TEXT MESSAGING

becomes more popular with T9 or "predictive" typingⁱ

DVDS CHANGE HOME ENTERTAINMENT WITH DIGITAL OPTIC STORAGE."



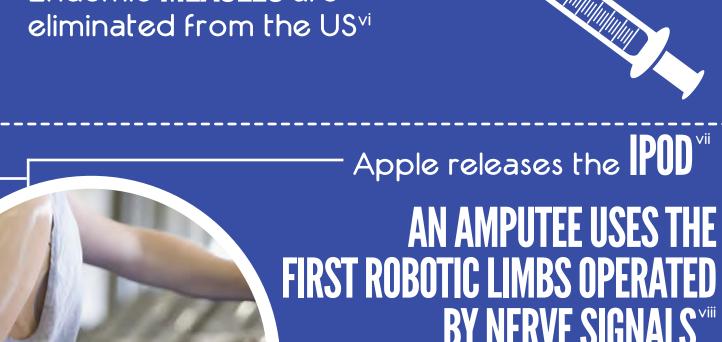
NASA lands first successful Mars rover

Wavefront analysis makes LASIK corrective eye surgery more popular

HYBRID on the market iv

Toyota unveils Prius, the first

Endemic MEASLES are eliminated from the USvi



BY NERVE SIGNALS **HUMAN GENOME**

Project is complete ix MMM

successful FACE TRANSPLANT*

French doctors perform the first



TELESCOPE OBSERVES FIRST PLANET OUTSIDE OF **OUR SOLAR SYSTEM***ii The first SYNTHETIC GENOME

for a bacterial cell is created xiii









wins Jeopardy! xiv

CERN DISCOVERS

IBM'S WATSON

HIGGS BOSON**

For States, By States

the world at 72 mphxvi

WANT TO GET A CLOSER LOOK AT HIGH-QUALITY SCIENCE STANDARDS? LEARN MORE HERE: NEXTGENSCIENCE.ORG To continue this progress and ensure our students can think critically and address 21st-century global challenges in manufacturing, medicine, technology, the environment and space exploration, we need

Standards (NGSS), a set of education benchmarks released in April 2013, establishing what K-12 students need to know and be able to do. As of November 2014, twelve states and the District of Columbia have adopted the NGSS. **NEXT GENERATION**

modern science standards. That's why 26 states led the development of the Next Generation Science

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