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>> Special Issue Video
Watch a video about improving education in the developing world at www.sciencemag.org/special/education2013.

COVER
The 21st-century scientific workforce needs new skills and knowledge to keep pace with ever-changing technology. Larger, more diverse student populations clamor for access to knowledge. All global citizens, whether in a doctor’s office or polling booth, must be better informed. All of these needs call for expanded, improved science education. In this special issue, we have invited experts to discuss the most important challenges facing science education. See the special section beginning on page 290.

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Challenges posed by the economic consequences of population growth and consumption require collective action.

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J. Lin et al.
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D. N. Congreve et al.
Single photons are shown to propel more than one carrier in a carbon-based solar cell.

Multicompartment Mesoporous Silica Nanoparticles with Branched Shapes: An Epitaxial Growth Mechanism
T. Suteewong et al.
A one-pot synthesis method furnishes mesoporous silica nanoparticles with both cubic and hexagonally structured compartments.

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A. J. P. Houben et al.
The Southern Ocean plankton ecosystem underwent an abrupt and profound reorganization in the earliest Oligocene.

Global Charcoal Mobilization from Soils via Dissolution and Riverine Transport to the Oceans
R. Juffé et al.
A larger-than-expected fraction of charcoal produced by wildfires leaches out of soils and is transported to the oceans.

Resilience and Recovery of Overexploited Marine Populations
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Structural Basis for Kinesin-1:Cargo Recognition
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Representation of Three-Dimensional Space in the Hippocampus of Flying Bats
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A Neural Marker of Perceptual Consciousness in Infants
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