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How federal government and university policies need to change to achieve more and better research and education

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The Obama administration has repeatedly emphasized that the economic future of the country will depend heavily on the future success of both its scientific research and its science education. Research universities play a vital role in both of these activities. Unfortunately, universities are facing increasing difficulties in maintaining and enhancing the quality of their research and educational activities. There are some particularly notable unmet opportunities for improving science education. I will offer some ideas for how federal and university policies on research funding and education might be modified in tandem to enhance both research and educational outputs.