



**The Missing Link in Engineering Education:
The Arts and Humanities**



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Globalizing the Liberal Arts Conference

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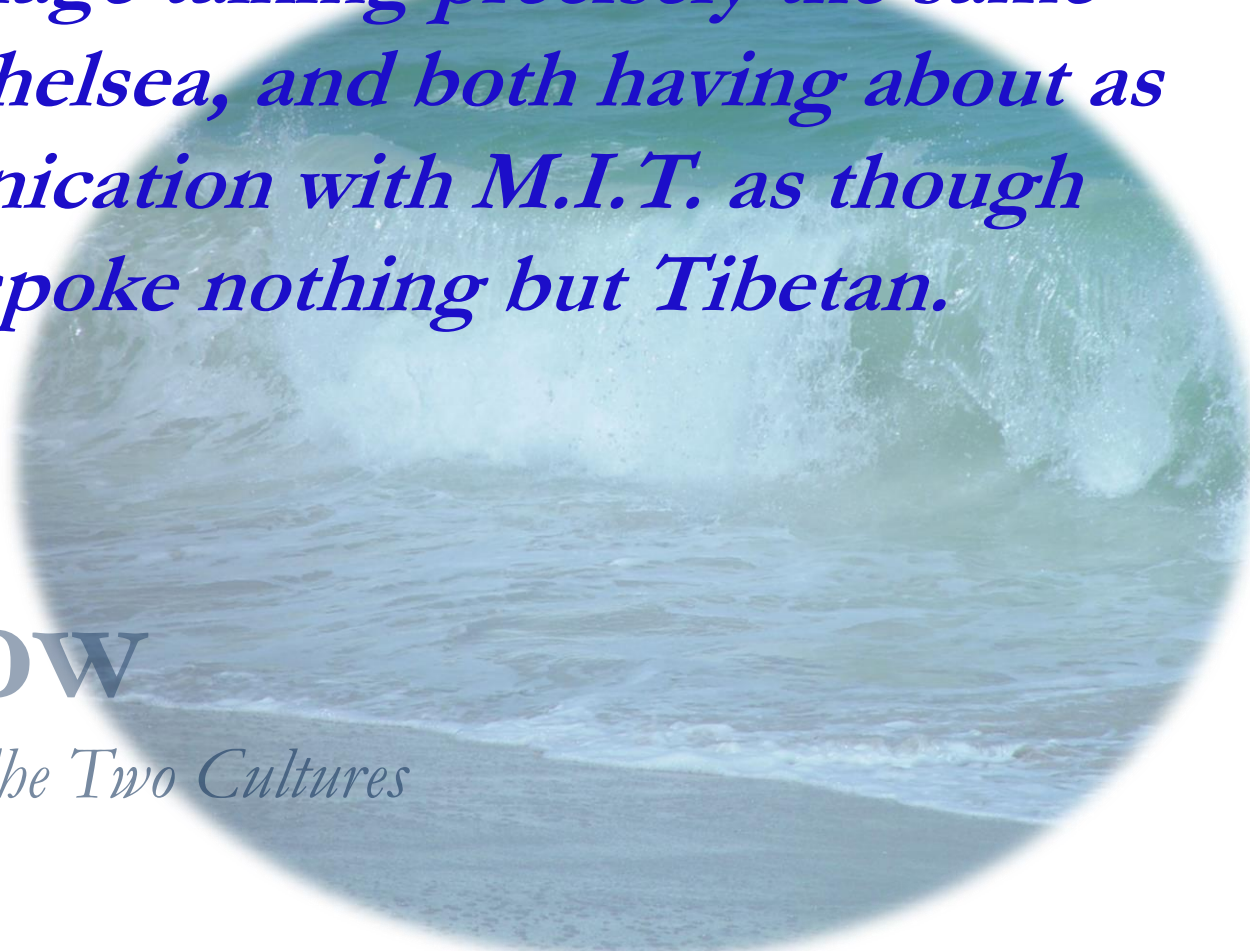
Explaining Einstein



After a few thousand Atlantic miles, one found Greenwich Village talking precisely the same language as Chelsea, and both having about as much communication with M.I.T. as though the scientists spoke nothing but Tibetan.

C.P. Snow

The Two Cultures



LSE Benefits

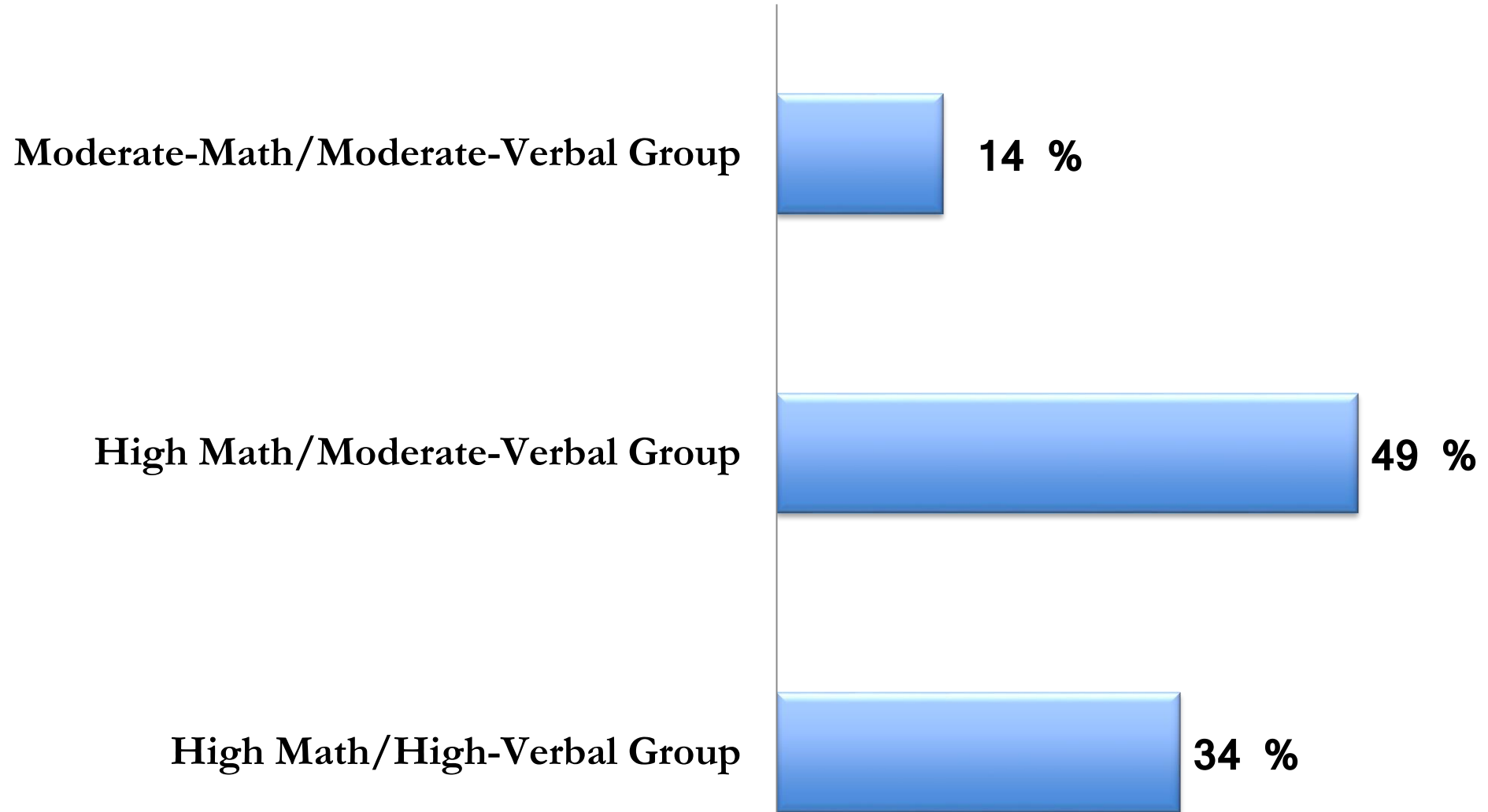


Broadening Participation

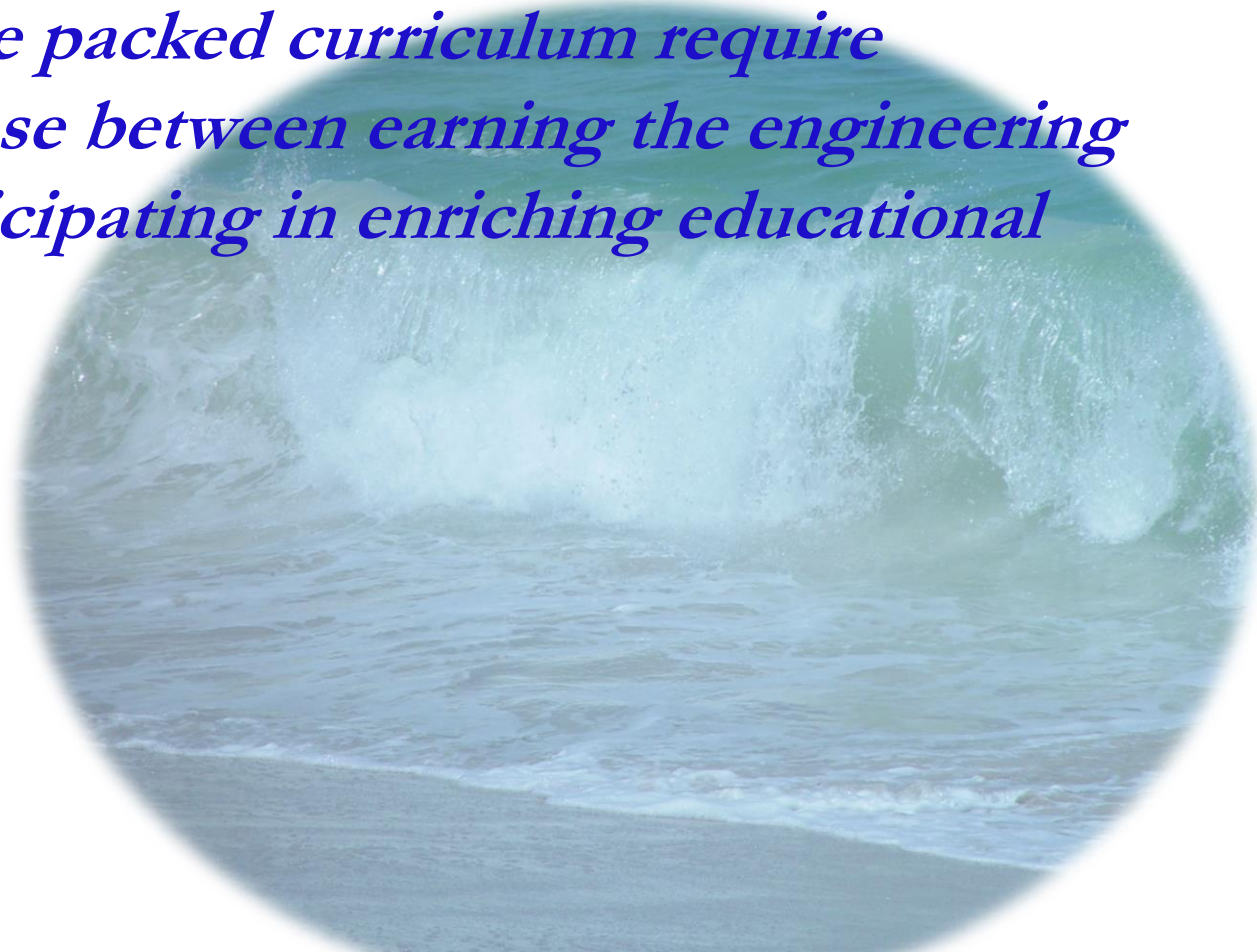
Improving the Design Process

Highlighting the Social Context

Participants Selecting STEM Career By Age 33 (%)



We believe that the greater workload engineering demands and the packed curriculum require students to choose between earning the engineering degree and participating in enriching educational experiences.



Lichtenstein, McCormick, Sheppard, and Puma, 2010

Several previous studies suggest, first, young people, and particularly women, want more interdisciplinarity in their engineering degree courses; and second, that many non-engineering students may have considered studying engineering if there had been more subjects from the humanities and the social sciences included.

Hidden Talent

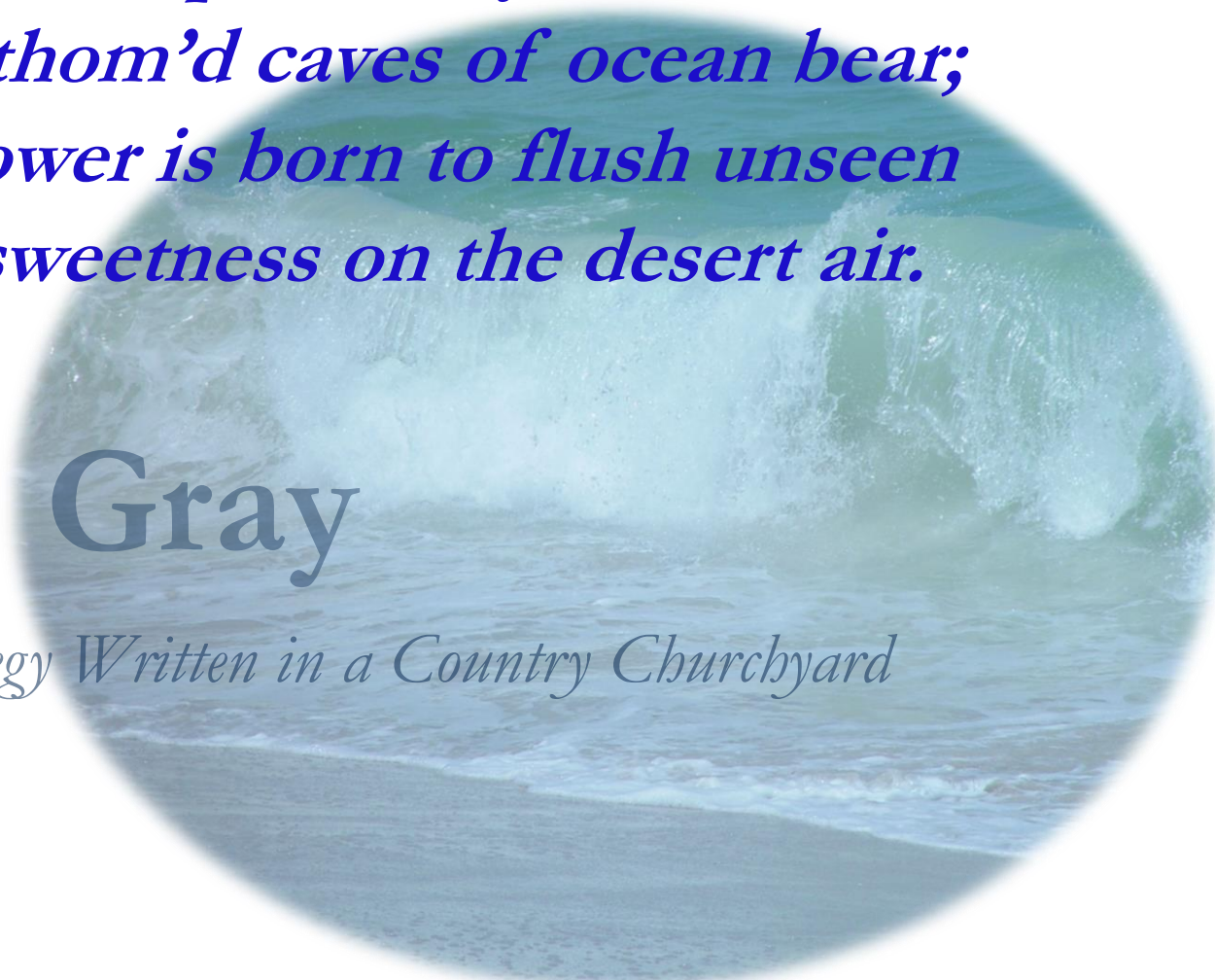
Effective Teachers



*Full many a gem of purest ray serene
The dark unfathom'd caves of ocean bear;
Full many a flower is born to flush unseen
And waste its sweetness on the desert air.*

Thomas Gray

Elegy Written in a Country Churchyard



Mathematics

Paul Erdős



Physics

Edward Teller Eugene Wigner



John Von Neumann



Leo Szilárd



László Rátz



RÁTZ LÁSZLÓ.
Kunwaldi Császár festménye után.



Thank You

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Technology, Engineering,
and Math Education
in America

STEM THE Tide

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