

# BrownOut: Engineering Educational Outreach Classroom Visits Program



J. Blume, Division of Engineering, Brown University, supported by NSF DMR-0520651

Brown undergraduates and faculty visit local science/math classes or youth programs to present engineering topics to students in Grades K-12. Presentations are developed by students and faculty based on current research or topics covered in the Brown curriculum.

Student groups, such as the National Society of Black Engineers Student Chapter, Engineers without Borders, and the FSAE Care Team participate.



Example Presentations
•Freezing Point Depression/Ice Cream
•Slinkies to Star Wars: Light as a Wave
•Energy and Entropy
•Science of Magic
•Game Theory
•The Physics of Flight
•Astronomy
•Aquatic Biology
•Compression & Tension
•Formula One Car Design
•Engineers Without Borders

