• Why Fuel Cells?
• Fuel Cell Basics
• Scope of Project
WHY FUEL CELLS?
**Fuel Cell Basics**

**Anode Reaction:** \[2 \text{H}_2 + 4 \text{OH}^- \rightarrow 4 \text{H}_2\text{O} + 4 \text{e}^-\]

**Cathode Reaction:** \[\text{O}_2 + 2 \text{H}_2\text{O} + 4 \text{e}^- \rightarrow 4 \text{OH}^-\]

**Overall Net Reaction:** \[2 \text{H}_2 + \text{O}_2 \rightarrow 2 \text{H}_2\text{O}\]
Test HEM Catalyst Using RDE or RRDE
See the Process for Making the Polymer
Take Part in Spraying an Electrode
Make a HEMFC
Evaluate its Performance
Evaluate its Economics
THANK YOU!

QUESTIONS?