

TechSTEP “Fuel Cell Future”
Teacher Workshop 2 – January 24, 2009
Discovery Weekend 2 – January 31, 2009

8:45	Registration/breakfast
9:00	Welcome and overview
9:15	Build car prototype – speed
10:30	Lego PowerPoint and gear problems
11:00	Take car gear measurements, test speed, back-calculate motor rpm
12:00	Lunch
12:40	Electrolysis/fuel cell demo and PowerPoint (Dan McClellan) – 20 min
1:00	Build car prototype - torque
1:45	Take car measurements, test torque by lifting weight (and voltage variability discussion)
2:10	SolidWorks and tolerances
2:30	Talk about design competition – Challenge Weekend