

# Reading Assignment

## The Top 50 Moments in History

4. 2200 BC - The peoples of northwestern Iran invent glass

### - General Discussion

- Historical Context – invention of “Glass”
- Shaping and Forming
- Colors
- Properties
- Current uses of Glass

HAPPY St. Patrick's Day



# Assignment #3

## Power Generation, Storage and Distribution

### Different Areas of Enabling Technology:

- 6 Groups of 3 students each will research different technologies for:

#### 1) Power Generation, e.g.,

- a) Wind
- b) Nuclear
- c) Coal/Gas
- d) ...

#### 2) Power Storage, e.g.,

- a) Batteries
- b) Capacitors
- c) ...

#### 3) Power Distribution, e.g.,

- a) HT wires
- b) Super conductors
- c) ...

# Assignment #3

## Power Generation, Storage and Distribution

- Week 1 (March 17, 19 and 21):
  - Search for current newspaper articles used for common reading material
    - e.g., the Northern Ohio Wind Power Plan
    - Creation of Groups **(6 groups)**
- Week 2 (March 24, 26 and 28):
  - Group research
  - Preparation of written briefs
  - Library Resources – tentatively March 24 and 26
- Week 3 (March 31, April 2, and 4):
  - Group Presentations

# Assignment #3

## Power Generation, Storage and Distribution

- **Group Presentations (20% of final grade):**

- The different aspects of the technology used Power Generation, Storage and Distribution will be presented in **20-25 minutes long group presentations.**

- **Brief Papers (15 % of final grade):**

- The material will be summarized in a brief group report **(no more than 3 pages)** in addition to the group presentation.
- These briefs will be **“Peer-reviewed”** by a different group.
- The briefs (together with the group presentations) will be collected into an **“Power Generation, Storage and Distribution group project folder.”**

# Assignment #3

## Power Generation, Storage and Distribution

- Common Reading Material
  - Search for Current News Paper Articles (e.g., regarding the Northern Ohio Wind Power Plan)
  - Distribution of material on Wednesday March 19
  - Discussions on Friday March 21
  - Formation of Groups
- Focus the searches on Materials Considerations and Technologies used and/or needed for
  - Power Generation
  - Power Storage
  - Power Distribution