

Northern Highlands STEM Meet Time Schedule – May 24th, 2016

298 Hillside Ave. Allendale, NJ **Drop off and Buses will park at town Park Crestwood Lake

Event Contact: Al Mugno - 551-404-7874

Greg DeLorenzo 973-897-6185

School contact: Principal - Joe Occhino - 201 327-8700

What to bring: Pens, Pencils, 2 Laptop Computers with a CAD Program and SnipTool program

- 7:50 – 8:10 **Arrive in the front circle – Come through front doors and check in at the “Hospitality Table”. There your Ambassadors will escort you to the Back Gymnasium**
- 8:15 – 8:35 - **Back Gym - “Introductions” and “Presenting the Problem”**
- **8:00 – 10:00 Continental breakfast – bagels, juice, water, chocolate milk, coffee**
- **8:40 – 9:15 Judges Meeting - Conference Center**
- **9:20 - 9:45 Coaches Meeting - Conference Center**
- 8:35 – 10:35 -**The “Design Document” - PART 1(30 pts) - Submit for judging by 10:35**
 - Once the teams have been given the design task, they begin completing the **Design Document**.
 - Once completed, teams must submit the **Design Document**
 - Judges use a rubric during **Prototype Development** to score the **Design Document**.
 - Make sure your documents are to the point and use complete sentences! Judges are not mind readers!
- 9:00 – 12:00 - **“ Prototype Developmental Work”/ Test Possible Solutions if desired**
- 8:30 - 11:15 - **“STEM Connections Document” - PART 2(15 pts) - Submit for judging by 11:15**
 - Teams perform the STEM lab and analyze the data gathered using the provided lab materials.
 - Teams complete the required **STEM Connections Document** and submit for judging
- 10:00 – 11:30 **“CAD Drawings” PART 2 – Submit for Judging by 11:30**
- 11:35 – 12:15 - **“Lunch Break”**
- 12:20 – 1:00 - **“Testing Prototypes”**
 - Finalize designs and test the prototypes - **each group is assigned to an area – all other groups please stay behind the test areas**
- 1:05 – 1:35 - **“Presentations” (15 pts)**
 - Teams have a maximum 4 minutes each to present and demonstrate/2 Min Q&A period
 - Three team members will present to the judges
 - **Ambassadors will escort you to your assigned presentation room**
 - Teams present their design rationale – areas to cover plus
 - 1. Explain how and why you chose your design solution?
 - 2. How did your design perform?
 - 3. What would you do differently if you would be able to do this again
 - Judges score the team presentations
- **Clean up – when teams are presenting each team will help clean up their areas break down tables and move chairs to set up for the awards ceremony**
 - **Everybody helps. Any team leaving a mess will be disqualified!!**
 - **At this time coaches will tell/call bus drivers to be at our front circle by 1:50 for pick up**
- 1:45 – 2:00 – **“Awards & Thank You”**
 - Judges/Volunteers/Coaches
 - Awards will be given to the teams