2014 Materials & Manufacturing Summer Teachers’ Institute

“How Things Are Made” Networking with Local Industry to Bring Ideas Back to Your Classroom

July 29, July 30, and July 31
8:30am – 4:40pm

Presented by: NHMA, SCSU, CRISP, So. CT. Chapt. ASM, and Platt Tech High School
AGENDA

July 29, 2014

SCSU

8:30 – 9:00am

Introduction and Welcome

Dr. B. Bergeron, Provost and Vice President for Academic Affairs; SCSU

K.Lorch – Alloy Engineering Workforce Chair NHMA

[Continental breakfast; networking]

Video/photo releases

Dr. C. Broadbridge SCSU & CRISP/ R. Klancko

NHMA/ASM – participant introductions

9:00 – 11:30am

“Building Bridges - Materials, Manufacturing and the K-12 Curriculum”

C. Broadbridge - SCSU/CRISP / Y. Klancko - Klancko & Klancko

T. Doggart , G. Muench , So, CT Chapt. ASM

Activities:

• Introductions
• Discussion of curriculum
• Initiation of working groups
• Reporting
• MSE Demonstrations

11:30 – 1:00pm

“Networking Lunch”

Welcome – Dr. Robert Forbus – Assistant Dean, School of Business

Meet the CEO – J. Gildea – Bigelow Tea - Invited

Bob’s challenge #1

1:00 – 4:30pm

“Industry Product Demonstrations – How STEM is involved in their production.”

R. Klancko - moderator

Larry Smith – Bridgeport Fittings – From a hunk of Zinc to a cast/machined product

David Williams – Holo-Krome – From a steel cylinder to a high tech bolt/screw

Peter Dimoulas – Teacher, 2013 M&M participant

4:30 – 4:40pm

Safety at the tours and Platt Tech – R. Klancko
8:00am  
Company 1: Leed Himmel – Howard Goldfarb  
“The extrusion of Aluminum billets”  
71 Leeder Hill Road, Hamden

10:00am  
Company 2: Assa Abloy- Marna Wilber  
“How a lockset is made”  
110 Sargent Drive, New Haven

LUNCH  
Meet the CEO – K. Saint – Schwerdtle Stamp - invited  
Assa Abloy  - Bob’s Challenge # 2

1:00pm  
Company 3: Chabaso Bakery - Tim Cunningham  
“Bread is a material”  
360 James St., New Haven

3:00pm  
Company 4: Lighting Quotient - Lenore Wszolek - invited  
“Innovative lighting designs”  
114 Boston Post Road, West Haven
8:00am Breakfast

Welcome Sheila Williams Principal, Platt Tech

Overview – C. Broadbridge, R. Klancko

Create your own Product!

Hands-on Manufacturing using materials forming equipment

LUNCH

Dave Tuttle & his students

Bob’s Challenge # 3

Meet the CEO – Jeff Paz – VP, Region Manager of Union Savings Bank and Vice President of NHMA

NHMA Pres. – Thank you

1:00pm Working Groups - Create a lesson plan for your classroom based on the past 2.5 days!

SHARE YOUR IDEAS WITH YOUR PEERS

Yvonne Klancko

4:00pm Wrap up

Prizes to the solvers of Bob’s Challenges

Post surveys - Christine