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# TEXAS A&M UNIVERSITY CHEMISTRY ROAD SHOW BY DR. JIM PENNINGTON

CURRICULUM  
STANDARDS  
PAGE 2



Join us to ignite imaginations and engage students using chemistry demonstrations with fire, explosions, weird polymers, and super cold materials.

Dr. Jim Pennington presents the Texas A&M University Chemistry Road Show.

Chemistry contributes to medical education and is the foundation on which the human body functions. It is the key to life and the foundation for scientific research. President and Mrs. Bush have supported and encouraged medical research involving chemistry to find cures for cancer.

DATE

**THURS.,  
OCT. 26,  
2017**

TIME(S)

**10:30-11:30 AM CDT  
12:30-1:30 PM**

GRADES

**3-12 and  
adult learners**

LOCATION

**Annenberg Presidential  
Conference Center**

COST

**FREE**

ON-SITE REGISTRATION

**Bush.Education@nara.gov  
979.691.4007**

DISTANCE LEARNING REGISTRATION

**www.connect2texas.net**

Select: Videoconference, or live stream, or recording

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# CHEMISTRY ROAD SHOW

## CURRICULUM STANDARDS



### SCIENCE

Grade 2: 1a, 1b, 2a, 3b, 3c, 5a, 5b, 5c, 5d

Grade 3: 1a, 2a, 3a, 3d, 5a, 5c, 5d, 6a

Grade 4: 1a, 3a, 3d, 5a, 5b, 5c

Grade 5: 1a, 2f, 3a, 3d, 5a, 5b, 5c, 5d, 6a

Grade 6: 1a, 2a, 2b, 3a, 3c, 5d

Grade 7: 1a, 2e, 3a, 3c, 3d, 6a

Grade 8: 1a, 2e, 3a, 3c, 3d, 5e, 6c

### BIOLOGY

1a, 2a, 2b, 3a

### CHEMISTRY

1a, 1b, 2a, 2b, 2d, 3a, 3e, 3f, 4a, 4c, 10a, 10b, 11, 11a, 11b

### IBC

1a, 2a, 2e, 3a, 3d, 3e, 7a, 7c, 7d



### K-4:

- Measure, collect and organize
- Explore chance
- Recognize and describe patterns
- Use variables to express relationships
- Develop skills of estimation and judgement

### K-4:

- Represent situations verbally
- Use estimations
- Identify and use functional relationships
- Create experimental and theoretical models of situations involving probabilities

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