

# Physics Day



TEXAS A&M UNIVERSITY  
**COMMERCE**

Are you a high school teacher that wants to improve your physics teaching practices? Are you a parent that wants your child to learn physics, or a high school student that wants to know more about majoring in physics after graduation? Join us at Physics day! This event will be hosted by the A&M-Commerce Department of Physics and Astronomy, and is open to the public. There will be lots of fun activities.

**Location:** Keith D. McFarland Science Building (Building B34 [on the campus map](#)).

**Date and time:** Saturday, Feb 2, 2019 from 9:30 am-2:30 pm.

## Outline of Activities

**Free T-Shirts and other giveaways, and Free Lunch!**

**For Students and Parents:**

- Lab tours
- Demonstration of Planetarium, TAMUC observatory and SARA telescopes
- Hands on activities with faculty and students
- Department overview
- Careers unlocked by physics degrees
- Panel discussion: ask our students about what it means to study physics here!

**For Teachers:**

- Interactive workshop on content and best practices in teaching physics
- Networking opportunities with other high school teachers

For schedule of events please click [here!](#)

For more information, email us at

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Link to [A&M-Commerce Department of Physics and Astronomy Website](#)





**PHYSICS DAY: FEB 2, 2019**  
**SCHEDULE**

**Location:** Keith D. McFarland Science Building (Building B34 [on the campus map](#) ).

<b>9:30am – 10am</b> Arrival, registration, pick up your T-Shirts – <i>Foyer of Science Building</i> <b>Parking in Lot 35 – access from West Neal street; science building is B34 on campus map.</b>	
<b>Student Sessions (Hosted by the Society of Physics Students)</b>	<b>Teacher Sessions (Hosted by Dr. Newton, Dr. Lock and Dr. Modir)</b>
<b>10:00am – 10:30</b> Welcome & introductions; tour labs (By Drs. Chourasia & Park) and student lounge	<b>10:00am – 11:00 am</b> CAPE-Noyce Session 1 Thermodynamics – concepts, demos, labs, PER
<b>10:30am – 11:15am</b> Physics Challenge – <i>Room 135</i>	
<b>11:15 am– 11:45am</b> Planetarium demo (By Dr. Davis), demonstration of SARA telescopes (By Drs. Montgomery & Williams)	
<b>11:45am – 12:15 pm</b> Faculty/student presentations – <i>Room 127</i> An introduction to the research we do with our students	<b>11:20am – 12:15pm</b> CAPE-Noyce Session 2 STEP UP 4 Women: Careers in Physics Workshop
<b>12:15pm – 1:00pm</b> Lunch – <i>Room 146</i> : Hear about our physics program (By Dr. Newton) over food!	
<b>1:00pm – 1:45pm</b> Physics demonstrations – <i>Room 135</i> Play with some interesting physics experiments and talk to our undergraduates	<b>1:00pm – 1:45pm</b> CAPE-Noyce Session 3: Thermodynamics – misconceptions and difficult concepts (entropy...)
<b>1:45pm – 2:30pm</b> Panel discussion – <i>Room 127</i> Find out what it's like to be a physics major and do physics research, in a question-and-answer session with our panel of students.	<b>1:45 pm – 2:30pm</b> CAPE-Noyce Session 4 Discussion, summary and next workshop topic