



The Theory of Relativity

Session Info

Session Title

The Theory of Relativity

Session Description

Two objects exert a force of attraction on one another known as "gravity." The force tugging between two bodies depends on how massive each one is and how far apart the two lie. Even as the center of the Earth is pulling you toward it (keeping you firmly lodged on the ground), your center of mass is pulling back at the Earth.

What will attendees be doing during the session?

Attendees will learn hands-on activities that demonstrate that the laws of physics are the same for all non-accelerating observers to understand that the speed of light within a vacuum is the same no matter the speed at which an observer travels.

Outcomes/Takeaways

- 1) Understanding of the theory of relativity
- 2) Understanding of the speed of light
- 3) Understanding of space-time continuum

Describe up to three (3) ways this session aligns with research, best practice, and/or standards. If your session aligns with the TEKS, list up to three (3) specific standards that will be covered in your session.

TEKS Phy.5A

Grade Level

Grades 9–12

Primary Subject Area

Physics

Tracks

Classroom Activities

PBL (Project-/Problem-Based Learning)

Professional Development

Audience

Classroom Teachers
District Supervisor

Logistics

Session Length

Workshop

Logistics

Presentation Format and Room Setup

Demonstration/Hands-on Investigation (tables and chairs)

Logistics

How many attendees can your session accommodate?

100–120 attendees

Audiovisual Equipment

I understand.

Submitter Only

Organization	Physics ISD
First Name	Albert
Last Name	Einstein
Degrees/Certifications	PhD
Title/Position	AP Physics Teacher
Email	marketing@statweb.org
Cell Phone	123567890

Are you submitting this proposal on behalf of a commercial entity, exhibitor/sponsor, or STAT Affiliate?

No

Due to considerations related to COVID19, if restrictions are necessary (including masks requirements & social distancing) are you comfortable adjusting your presentation style based on these restrictions?

Yes

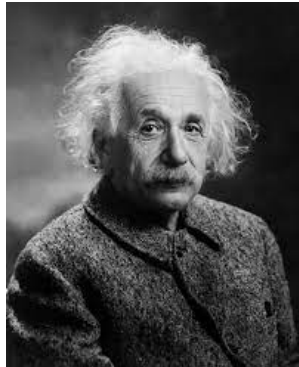
Please provide an additional email address as backup in case of firewall issues (e.g., Gmail, Yahoo, etc.).

einstein@albertmail.com

Presenter Bio

Albert Einstein is a German-born physicist who developed the special and general theories of relativity and won the Nobel Prize for Physics in 1921 for his explanation of the photoelectric effect. Einstein is generally considered the most influential physicist of the 20th century.

Presenter Headshot



Speaker Policy Agreement

I have reviewed the Speaker Policy Agreement.

T-Shirt Size

Large

LEAD PRESENTER

Organization	Physics ISD
First Name	Albert
Last Name	Einstein
Degrees/Certifications	PhD
Title/Position	AP Physics Teacher
Email	marketing@statweb.org
Cell Phone	123567890

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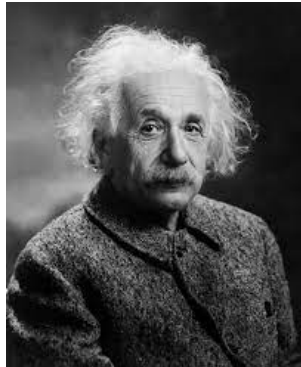
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