Proposal Number: 2001
The Theory of Relativity

Session Info

Session Title (to be printed in program, if proposal is selected)

The Theory of Relativity

Session Description (to be printed in program, if proposal is selected)

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, and he showed 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

9-12

Subject Area

HS Physics

Additional Keywords

Classroom Activities
PBL (Project/Problem-Based Learning)
Professional Development Programs

Audience

Classroom Teachers
District Supervisor

Logistics

Presentation Format

Demonstration/Hands-on Investigation (1 hour)

Audiovisual Equipment

I understand.

Submitter Only

Organization	Newton High School
First Name	Albert
Last Name	Einstein
Degrees/Certifications	PhD
Title/Position	AP Physics Teacher
Email	stat@statweb.org

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

einstein.jpeg

Speaker Policy

I agree to all terms listed above.

Is this session linked to the sale of any science-related products? This includes classroom equipment/supplies, curriculum, Teachers Pay Teachers products, books, etc.

No

Are you submitting this proposal on behalf of a commercial entity or enterprise?

No

SUBMITTER

Organization	Newton High School
First Name	Albert
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Degrees/Certifications	PhD
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