

LA & Ventura County STEM Education Ecosystem

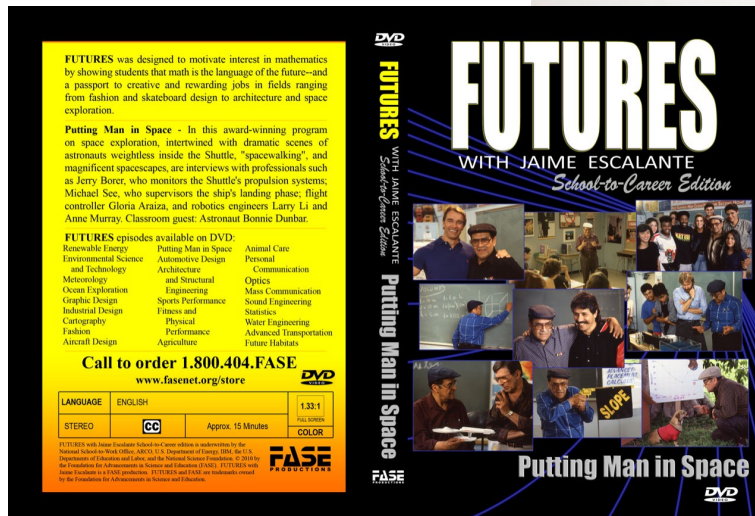
Underwriter Opportunities



FOUNDATION FOR ADVANCEMENTS IN SCIENCE AND EDUCATION

FASE 30-Year Footprint In STEM Education

- AWARDS
- REACH



INSPIRE AND ENGAGE

FASE



**MOTIVATIONAL
AND INSPIRING
MATH FOR
K-14 STUDENTS**



**MOTIVATIONAL
AND INSPIRING
MATH FOR
K-14
STUDENTS**

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FOUNDATION FOR ADVANCEMENTS IN SCIENCE AND EDUCATION

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ENVIRONMENTAL LITERACY



KAY TOLIVER CLASSROOM



MOVIE CLOSE-UPS



SCIENCE & TECHNOLOGY



SPACE SCIENCE



SPORTS



TRANSPORTATION

Topics

Click to Select

Common Core Standard

Click to Select

Grade Level(s)



Kindergarten



1st Grade



2nd Grade



3rd Grade



Powering the Planet – Space Solar Power Idea

Category: ENVIRONMENTAL, SCIENCE & TECHNOLOGY, SPACE SCIENCE

The idea of solar power from space touches on science, technology, engineering, the environment, math, energy and more. Pose this concept to students to stimulate critical thinking about these issues & get them involved in the conversation.

WATCH NOW



Reliable Robots

Category: SCIENCE & TECHNOLOGY, SPACE SCIENCE

When it comes to designing robots for space, making sure that they can complete their missions is the name of the game for NASA's robotics engineers. That requires math, especially probability.

WATCH NOW



Revisiting the Moon

Category: SPACE SCIENCE

Evidence suggests there may be deposits of ice within craters at the poles of the moon. If this proves to be the case, Planetary Scientist Dr. Paul Spudis says it could possibly be "the most valuable piece of real estate in the solar system." Find out why

WATCH NOW



Rockets and Materials Science

Category: SPACE SCIENCE



Science on Mars, Part 1

Category: SPACE SCIENCE



Science on Mars, Part 2

Category: SPACE SCIENCE



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FOUNDATION FOR ADVANCEMENTS IN SCIENCE AND EDUCATION

BROADENING STEM PARTICIPATION Providing streaming channel to connect the dynamic ecosystem

FASE



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FOUNDATION FOR ADVANCEMENTS IN SCIENCE AND EDUCATION

STEM Education & Career Eco-System



NEED

- The National Association of Manufacturing and Deloitte report that the **United States** will have to fill 3.5 million **STEM** jobs by 2025, with more than 2 million of them going unfilled because of the lack of highly skilled candidates in demand.



HR Link Below Lesson Plans

FASE



Subject: Mathematics Problem Solving Science Technology

Grade Levels: 6th Grade, 7th Grade, 8th Grade, 9th Grade, 10th Grade, 11th Grade, 12th Grade,

Synopsis: Ingenuity Helicopter - How do you build a helicopter that will survive in temperatures below -140° F? And fly through the extra thin Martian atmosphere, all while powering itself? Solving problems like these is all in a days' work for mechanical engineer Sergio Valdez.

Running Time: 3:02 minutes

Related Lessons:

Title: [Ingenuity](#)

Topics: [Mathematics](#), [Algebra 2](#), [Parabolas](#),

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[Related Career Connection: Jet Propulsion Laboratory California Institute of Technology \(JPL\)](#)



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- › [What is Earthrise?](#)
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- › [What is an Exercise Scientist?](#)
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Ford Motor Company

Location: Michigan
Business Type: Company
Opportunity Type: Jobs, Internships,
Ford Motor Company is an American multinational...

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Infinity Aquarium Design

Location: California
Business Type: Company
Opportunity Type: Jobs,
Infinity Aquarium Design designs and installs b...

[View more details](#)



Giro Sport Design

Location: California
Business Type: Company
Opportunity Type: Jobs,
Giro is a U.S. manufacturer of Snow & Cycli...

[View more details](#)



Monterey Bay Aquarium Research Institute (MBARI)

Location: California
Business Type: Company
Opportunity Type: Jobs, Internships,
Featured in the TFC video is George Matsumoto &...

[View more details](#)



Dynamic Water Technologies

Location: Arizona
Business Type: Company
Opportunity Type: Jobs,
Dynamic Water Technologies is a Scottsdale, Ari...

[View more details](#)



Bell Labs

Location: New Jersey
Business Type: Company
Opportunity Type: Jobs, Internships,
Bell Labs was founded in 1925 by Alexander Grah...

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Underwriter HR Immersion

FASE



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HR Services

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Human Resources

The NSSC provides HR services including:

- Support to Personnel Programs, SES Case Documentation, Employee Development and Training, Employee Benefits, Financial Disclosure Processing, Human Resources Information and Training Systems Operations and Maintenance, Personnel Action Processing, eOPF Maintenance and Record Keeping, Online Course Management, and Off-Site Training Purchases



Quick Links

- Forms
- HRIS Support Requests
- NASA HR Portal
- References / Resources
- What's New with Human Resources?



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Career Connections

Lunar and Planetary Institute Home Page



Lunar and Planetary Institute Home Page

Business Type: Company

Opportunity Type: Jobs, Internships,

TFC Related Video: The Surface of Mars

[Visit this companies website](#)

Description:

The Lunar and Planetary Institute's (LPI's) mission is to advance understanding of the solar system by providing exceptional science, service, and inspiration to the world. It serves as an educational resource for research in lunar and planetary science to NASA and the scientific community.

One key goal is to excite and educate the public about space science and invests in the development of future generations of explorers. The research carried out at LPI supports NASA's efforts to explore the solar system.

It is funded by Universities Space Research Association (USRA), an independent, nonprofit research corporation where the combined efforts of in-house talent and university-based expertise merge to advance space science and technology.

[LPI Summer Intern Program in Planetary Science](#)



FOUNDATION FOR ADVANCEMENTS IN SCIENCE AND EDUCATION

Sustained Through Underwriter Grants & These Underwriter Contribution Levels



- | | |
|--------------------------|-------------------|
| • Sustaining Partner | \$25,000 per year |
| • Sustaining Champion | \$5,000 per year |
| • Sustaining Member | \$1,000 per year |
| • Collaborating Partner | \$1,000 per year |
| • Education Partner | \$1,000 per year |
| • Sustaining Contributor | \$95.00 per year |

[Contribution Link](#)



FOUNDATION FOR ADVANCEMENTS IN SCIENCE AND EDUCATION

CATEGORY BENEFITS

Sustaining Partner

\$25,000

Join The Futures Channel at our highest level of support and further your company's position as a leader in STEM Education. Sustaining Partner includes two or more professionally produced STEM education videos featuring your company and posted on The Futures Channel for worldwide access and sharing in schools and communities everywhere, a seat on The Futures Channel HR Advisory Board, targeted outreach into select geographically designated areas and invitation and recognition at special events and more.

Sustaining Champion

\$5,000

As a Sustaining Champion of The Futures Channel, we will collaborate with you to produce and compile a STEM education video that connects STEM Graduates of tomorrow to your company HR site and select content. Your company included in our targeted local and regional outreach to reach and connect you with the target audience.

Sustaining Member

\$1,000

Connect your company HR department to The Futures Channel and tomorrow's STEM graduates. Your company included in our targeted local and regional outreach to connect you with your recruitment target audience.



FOUNDATION FOR ADVANCEMENTS IN SCIENCE AND EDUCATION

Other Partnership & Contribution Options

Collaborating Partner \$1,000

For Government Agencies and Non-Profit Collaborating Partners we maximize the synergy between The Futures Channel and the Partner. We connect your site to ours and provide an opportunity to share your content and messages to our publics as well as make sections of our premium level content fully accessible to your stakeholders.

Education Partner \$1,000

This is specifically designed to help higher education institutions reach the STEM education students currently in the K – 12 pipeline. We connect your web resources to our audience to inform them of the higher education options for STEM education.

Sustaining Contributor \$95.00 & up

A way for any contributor to support our work and includes individual or greater all access to The Futures Channel including premium content such as special series, teacher training, etc.



FOUNDATION FOR ADVANCEMENTS IN SCIENCE AND EDUCATION

PARTICIPATING COMPANY FEATURES



- LINKS FROM OUR STREAMING CHANNEL TO COMPANY HR CONTENT
- INCLUSION IN OUR DIRECTORY
- ONE OR MORE NEW STEM CAREER VIDEOS FEATURED & ADDED EVERY YEAR IN YOUR CAREER CATEGORIES WITH LINKS TO YOUR SITE(S)
- OPTIONAL PARTICIPATION AS AN ADVISORY BOARD MEMBER FOR STEM CAREER VIDEO RECOMMENDATIONS
- PARTICIPATION IN ONLINE STEM CAREER ROUNDTABLES AND IN PERSON JOB FAIRS
- CONNECTION TO YOUR INTERNSHIPS AND MENTORING RESOURCES
- TARGETED REGION BY REGION OUTREACH
- FEATURED ARTICLES IN OUR NEWSLETTERS AND IN TEACHER TRAINING WORKSHOPS



Help Connect STEM HR to STEM Education Pipeline & Graduates

- FASE invites you to become part of this dynamic ecosystem.
- Additionally, FASE welcomes any guidance, advice and support in the way of additional community partnerships, information on current County, State and National sensibilities and priorities to maximize the impact of this work directly in alignment with participating community needs.

Jaime Escalante Legacy Project - Strategic Objectives

- Connect targeted LA & Ventura County Youth with STEM career education pathways and careers with engaging video and lesson plans, workshops and mentoring.
- Build upon existing community leadership and stakeholder partnerships and track results, identifying and scaling up the successful actions.

STEM Education Outreach

FASE

← Tweet



LAUSD Region East
@LASchoolsEast

...

Students learned about [#STEMprofessions](#) from NASA JPL engineer Sergio Valdez, brain surgeon Dr. Quiñonez and [#JaimeEscalante](#) alumni. Thank you, Foundation for Advancements in Science & Education, for coordinating. "Success is discipline, determination & commitment." -J. Escalante



Hollenbeck MS and 5 others

3:21 PM · Apr 21, 2023 · 986 Views

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@LASchoolsEast

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LAUSD Region East "Learners Today, Leaders Tomorrow" Preparing Students for College, Career, and Life.



Hollenbeck MS
@HollenbeckMS

Follow

Hollenbeck MS - the home of the Mighty Junior Riders is located in Boyle Heights, CA. HMS has been serving the community since 1913.



Boyle Heights STEM ...
@STEM_BoyleHTS

Follow

The Boyle Heights STEM Magnet is a public school that opened in Boyle Heights, California in 2014. Home of FRC Team #5802 Los STEMateros.



What's happening



FOUNDATION FOR ADVANCEMENTS IN SCIENCE AND EDUCATION

Sustainability & STEM Education Events



Project Advisory Board

- Edward James Olmos
- Dr. Alfredo Quinones
- Professor Giselle Ragusa
- Several Escalante Alumni

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Contact



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323-376-5858 Mobile

keith.miller@fasenet.org

Or you can sign up here right now with this [HR Connect Link.](#)



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