



**Help CaveSim teach more kids  
with a new mobile cave**



# First things first: Thank you!



We're so grateful to everyone who has supported CaveSim over the years. Individuals, caving clubs, businesses, and other organizations have enabled us to teach 25,000 children around the US about cave conservation, science, and exploration. Supporters are having a tremendous positive impact on future generations, and we're very grateful for everyone's support.



# Our Covid project: a new CaveSim

- What: A more realistic mobile cave with an improved scoring system and more cave passage.
- Why: We've had so much demand for our school programs that we'll be able to use two trailers simultaneously after Covid.
- When: Now. We've completed 85% of the new cave. We just need a new trailer to complete the rest.
- Who: We need your help to buy the new trailer to hold this new cave.

“Dave and his crew have come into my wilderness first aid class to demonstrate patient evacuation several times. Each time they have presented an informative, interactive, hands-on experience that my students talk about for weeks! And students have the opportunity to play both rescuer and rescuee, which helps build their wilderness first aid skills. Thank you Dave, and we look forward to next time!” – Janny Jarvis, CTE teacher, Tesla Education Opportunity School, Colorado Springs

# More about “Why”

**We feel great urgency to educate kids about cave conservation and exploration.**

Pre-Covid we had huge growth in CaveSim programs at schools, museums, parks, and public events. In Feb and March, we did 33 days of education in 6 weeks. We had 78 days scheduled for the first 6 months of 2020, double what we did in the same period last year. Teachers say they’re eager to have us back post-Covid.

**We can have a much bigger positive impact with two trailers than one.**

“CaveSim was amazing. I had students come up to me the next day, give me a big hug and say ‘Thank you Ms. Jones for having the cave at our school. It was so fun.’ The cave experts were fantastic. You were able to share important content related to earth science and life science. Each part of the presentation was aligned to our science standards. We would love to see you back next year.” – Pat Jones, teacher, Houston Elementary, Austin, TX



# How will it work?

Pre-Covid, we had an amazing team of caver-educators who worked with us to teach hundreds of kids per day at CaveSim programs. Post-Covid, we'll have 2 teams and 2 trailers working simultaneously. We've already proven that this works: on several occasions, we've had teams in different states teaching simultaneously (one with the trailer and one with more basic materials).



“This is such a cool way to safely introduce kids (and even adults) to caving!”  
– Ben Ling, caver, Park City, UT



# Why we need your help

We've invested heavily in the materials to build the new CaveSim, and we've employed several cavers to help with construction. The trailer will last for many years, but it's very expensive. We need support from sponsors to buy the trailer, and we'd love to have your help.

*HS students learn about bats in Grove, OK. By Mary Hicks.*





# How much will the trailer cost?

- New all-aluminum enclosed 28' trailer: \$26820
  - Trailer sales tax and registration: ..... \$3831
  - Trailer delivery from MI to CO: ..... \$4060
  - Heat/AC, 7 electric jacks, hitch, lights,  
door & wheel locks, onboard generator: ..... \$5614
- Total: \$40325**



# Sponsorship: What's in it for you & your grotto?

- Recognition of all sponsors on staff shirts, Facebook, and on [www.cavesim.com/sponsor](http://www.cavesim.com/sponsor)
- Permanent sign inside trailer for sponsors above \$299
- Permanent SRT tower sign for sponsors above \$599
- Permanent recognition on outside of trailer (in vinyl wrap) for sponsors above \$1199
- Gratitude from tens of thousands of kids





# Three ways you or your grotto can provide financial sponsorship

- By check made out to CaveSim, mailed to 13 Kreg Ln., Manitou Springs, CO 80829 (no credit card fees)
- By card at [www.cavesim.com/sponsor](http://www.cavesim.com/sponsor) (card company takes 3%)
- Paypal  
(jacksondmit@gmail.com)

“We loved having you, and I am so excited to keep this program going.” – Deitra Biely, caver and 7th-8th grade science teacher, Grove, OK





# FAQ

- *Are you retiring the existing trailer?* No, it's going strong. We're just doing more!
- *Why is the new trailer so expensive?* For safety and fuel economy, we're getting an aluminum trailer which is lighter but more costly.
- *When will the new trailer be complete?* In 2021, but the exact date depends on when we finish raising the funds and on trailer manufacturer lead time.
- *Will schools have you back after Covid?* Yes, we're installing decontamination systems inside CaveSim to help schools feel confident in having us back.
- *What else will you be doing to raise funds?* We're planning another Kickstarter crowd-funding campaign like we did for the first trailer.
- *Can we see pictures of the new cave?* Yes, soon. We'll be making a video and taking pictures after we put in the formations.
- *Is CaveSim a non-profit?* No, CaveSim is a for-profit LLC. When you or your organization supports our cave conservation work with your sponsorship, you are doing so in exchange for the recognition and advertising shown two slides back. Please let us know what questions or concerns you have!
- *What is our sponsorship money used for?* ONLY to pay for what is listed on slide 7 ("How much will it cost")
- *How can we ask other questions?* Contact Dave at [jacksondmit@cavesim.com](mailto:jacksondmit@cavesim.com) or 914-330-7824.



# Extra info: What is CaveSim?



- 60' of multi-level passage (70' in the new cave)
- 50+ formations
- Sensors & computer track your soft-caving skills with video-game-style scoring.
- Invented & created by NSS member Dave Jackson, owner of CaveSim LLC (a Colorado based for-profit company)



# More about CaveSim



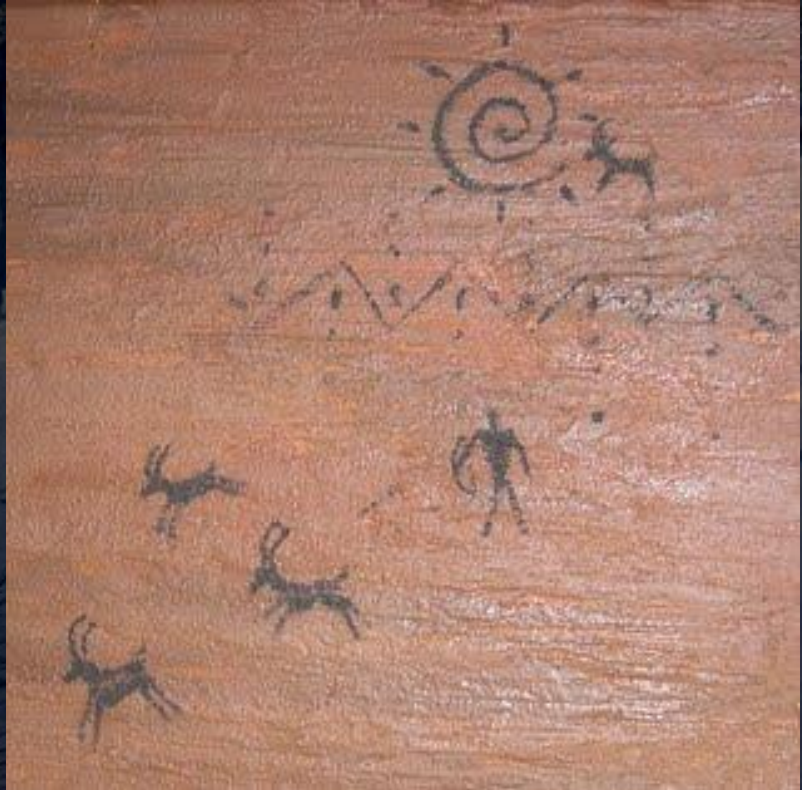
Don't bump into the 'tites and 'mites!

Don't get too close to the helictites & gypsum flowers!

If you touch or get too close, formations beep, light up, and/or talk about cave conservation. After your trip through CaveSim, take a virtual tour on the computer to see what you hit. Compete with friends for 'most careful caver.'



CaveSim has artificial cave life & artifacts with electronic sensors too!





# What CaveSim teaches

Physics lessons with a tower



Bat & echolocation games



Speleology, bat biology, etc. lessons



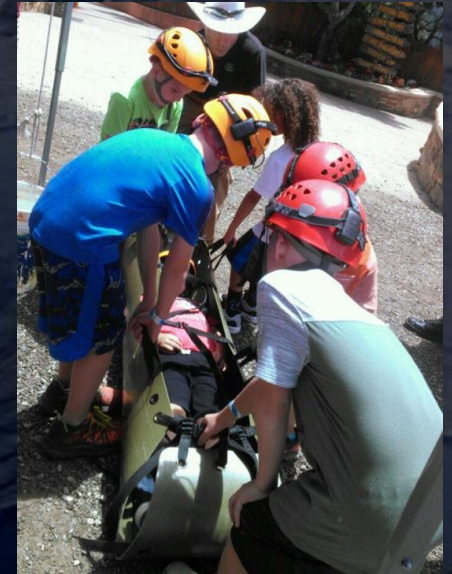
And lots more!



Chemistry of carbide lamps



Electromagnetics w/ field phones



Teamwork with Sked



# Videos about CaveSim programs

In-person programs  
(pre/post Covid):

[https://youtu.be/RHTyUab\\_8Ns](https://youtu.be/RHTyUab_8Ns)

Online distance-learning  
programs (during Covid):

[https://youtu.be/c8SKTQ1V\\_CE](https://youtu.be/c8SKTQ1V_CE)





# Who's behind CaveSim?

Tracy Jackson  
NSS 60741

Science teacher  
Curriculum designer  
Geologist

Dave Jackson  
NSS 60740 RL FE

Inventor  
Electrical engineer  
Lead educator

Southern Colorado Mountain Grotto Members



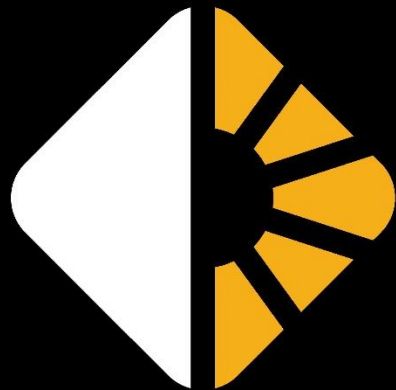


# Summary: Please help sponsor the new CaveSim trailer to help us teach more kids

“It’s the best educational tool for caving I’ve ever seen. All that’s missing is mud.”  
Winnie Miller, at MayaCon



Photo: Chris’ first experience with caving, in CaveSim.



# CaveSim