

New tool to get kids/parents,  
everyone possible excited about  
working with tools

## The THORMINATOR

- 50 pound hammer
- Now with over 1,000 LEDs

“You cannot mandate productivity, you  
must provide the tools to let people  
become their best.”

Steve Jobs



THE FAMILY TREE OF INVENTION

THE MOTHER OF  
INVENTION



"NECESSITY"

THE FATHER OF  
INVENTION



SPITE  
"I'LL SHOW YOU"

THE CRAZY UNCLE  
OF INVENTION

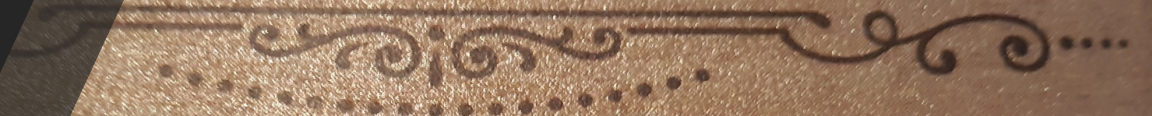


"HOLD MY BEER"


# Why is the Thorminator important ?

Over-protective parents/schools are too cautious about letting their kids use tools. Schools are worried about liability risks and insurance costs.

So when this new generation grows up, many of these over-protected NEW adults won't know how to use tools and have minimal interest in learning how.



**Put down cell phones  
Pick up tools!**





# Why is the Thorminator important?

Since schools no longer emphasize shop classes or the use of tools, this lack of exposure has created a stigma that using them is beneath or beyond students' interests or capabilities – and could be part of the reason why we have lack enough skilled tradespeople in the country.

There are an estimated 3 million, or more, unfilled jobs in fields of welding, plumbing, HVAC, maintenance, reliability engineering, and more coming as most skilled technicians are at retirement age.

American apprenticeships are coming back to help grow talent with essential job skills.







# Why the name





# Why the name Thorminator?

- It's a giant hammer- **Thor-esque**- Appears to be from the past
- **Terminator**- named because the handle looks like a femur bone from a giant- sized Terminator and now with electronics- appears to be from the future.
- So imagine if we could leverage all of the power of technology from the PAST and from the FUTURE? How much more powerful our societies would be?
- So hence the name **The THORMINATOR**  
*With More Power* to build or destroy
- From the PAST and The Future!!!

[“Man is a tool-using animal. Without tools he is nothing, with tools he is all.”](#)

[Thomas Carlyle](#)



# What is it?

- Scrap aircraft aluminum donated by Machine Specialties Inc, a large machine shop in Whitsett, NC.
- The head was a rotor bearing for a helicopter-
- Weighs over 50 pounds
- Created by Joel Leonard

Welded by Shawn Freeman, a certified Mig welder

[“Give us the tools, and we will finish the job”](#)

[Winston Churchill](#)



## *The Thorminator Origin story-*

- Not from an extra-terrestrial space-ship
- Not from SPACE X, TESLA, or NASA
- Not from a Viking tomb or Viking ship
- Not from an Egyptian Pyramid
- Not from Top Secret project from DARPA

[“The best investment is in the tools of one's own trade.”](#)  
[Benjamin Franklin](#)



# The REAL reason for the invention of THE THORMINATOR??

- Create a Makerspace
- To help The Forge, in Greensboro, raise enough money to move to a larger space. So a special event was held. We hosted a series of car smashes with a Volvo that needed a new transmission. The car was then donated to a junk yard and used for parts – and for pieces that could be used by artists.
- We raised \$3,000!



- To **Thorminate**- verb, the act of getting people excited about working tools.
- Worried that US is not building the adequate pipelines of skilled talent to replenish retiring baby boomer generation, Joel Leonard, has “thorminated” at Maker Faires, across the country visiting, over 100 makerspaces, 25 maker faires and numerous school assemblies
- He gave some mini Thorminators to 5 mayors at the NOMCON Mayor Maker Forum and challenged them to use those mini gavels to get bills passed to give makers more money.



# Why Thorminate? For The *AHA Moments*

It has been so good to see parents realize that they need to begin allowing and teaching their kids how to use tools.

It has been an eye-opener for teachers to marvel at the Thorminator and think of new ways to integrate maker skills into their curriculum.

It has been exhilarating to see thousands of kids get excited about playing/working with tools

**“Every tool may be a hammer Adam, but not every hammer is a Thorminator!”**

Joel Leonard

A photograph showing two men in a workshop or classroom setting. The man on the right, Adam Savage, is wearing a red cap, glasses, and a black t-shirt, and is smiling while holding a large, custom-made metal tool. The man on the left has a grey beard and is wearing a purple t-shirt. They are standing in front of a brick wall with windows. Other people are visible in the background.

**From Mythbusters and author of the best selling book “Every Tool is a Hammer”**

**ADAM SAVAGE hoists the Thorminator**



# Some of the 25 Maker Faires/Maker Fests

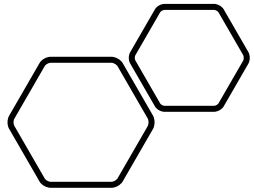
- 2018 Bay Area Maker Faire San Mateo
- 2018 World Maker Faire NYC
- 2018 2019 Detroit Maker Faire
- 2018, 2019 Nashville Maker Faire
- 2016 Charlotte Maker Faire
- 2019 Peoria Midwest Maker Fest
- 2019 Miami Maker Faire
- 2018 Orlando Maker Faire
- 2018 Capitol Hill Maker Faire- got on plenty of lists while taking Thorminator through the halls of US Congress.

[“A good tool improves the way you work. A great tool improves the way you think.”](#)

[Jeff Duntemann](#)



Over 16,000 people  
have hoisted the Thorminator



US Representative  
Mark Takano,  
creator of the  
Maker Caucus picks  
up Thorminator

Got on numerous  
lists in DC at Capitol  
Hill Maker Faire







## Future: BIG NEWS! Thormabladiator in the Works

- Kim Stahl, the first woman to ever be on **Forged in Fire**, is helping make a cross between the Thorminator and a Bowie Knife.
- It will have electronics in the handle.

[“Discover the tools to build your own vision.”](#)

[Mary Anne Radmacher](#)





HEAVY META



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