

# STEM Education — Just Do It!

Justifying & Executing STEM Education Within Your Organization

Thomas “Tweeks” Weeks

★ Slides - <http://tinyurl.com/stem-just-do-it>

Created by: [tweeks@rackspace.com](mailto:tweeks@rackspace.com)

Modified Date: 2016-10-03

Classification: External Document



# ABOUT RACKSPACE

**GLOBAL FOOTPRINT**  
Customers in 120 Countries

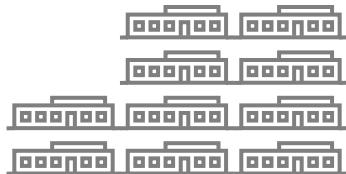


**300,000 CUSTOMERS**

114,000+ Servers  
50,000+ VMs  
≈70 PB Stored



**10 WORLDWIDE**  
Data Centers



**Over \$2B** Annualized Revenue

**WE SERVE** **FORTUNE®**  
**60%** OF THE **100**

**6,200 RACKERS**



**PORTFOLIO**  
of Hosted Solutions  
DEDICATED :: CLOUD :: HYBRID



# ABOUT ME

---



**Name:** “Tweeks” (aka Thomas Weeks)

**Position:** Technical Community Relations (+ other hats)

**Started:** Sept 1999 (as employee#12, current #1)

**Contact Info:**

tweeks@rackspace.com

GPG - 1024D/750152F

<https://fb.com/ThomasW.Weeks>

OTR - tomweeks@gmail.com

@tweeks\_tx

# ABOUT ME

---



**Name:** “Tweeks” (aka Thomas Weeks)

**Position:** Technical Community Relations (+ other hats)

**Started:** Sept 1999 (as employee#12, current #1)

**Various Jobs Over 17yrs:**

- Sys-Admin / Engineer, Corp. Technical Trainer
- Product Engineer, Systems Architect
- Customer Advocate Engineer, Author / Tech Writer
- Data Center RCA Team Lead, Cloud RCA Lead
- Tech Community Relations, Training & STEM Outreach

# ABOUT ME

---



**Name:** “Tweeks” (aka Thomas Weeks)

**Position:** Technical Community Relations (+ other hats)

**Started:** Sept 1999 (as employee#12, current #1)

**My Passions:**



# ABOUT ME

---



**Name:** “Tweeks” (aka Thomas Weeks)

**Position:** Technical Community Relations (+ other hats)

**Started:** Sept 1999 (as employee#12, current #1)

**My Passions:**



# ABOUT ME

---



**Name:** “Tweeks” (aka Thomas Weeks)

**Position:** Technical Community Relations (+ other hats)

**Started:** Sept 1999 (as employee#12, current #1)

**My Passions:**





# ABOUT ME

---

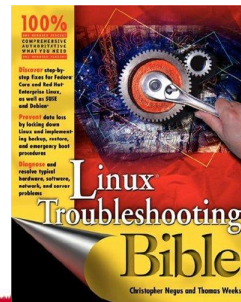


**Name:** “Tweeks” (aka Thomas Weeks)

**Position:** Technical Community Relations (+ other hats)

**Started:** Sept 1999 (as employee#12, current #1)

**My Passions:**





# ABOUT ME

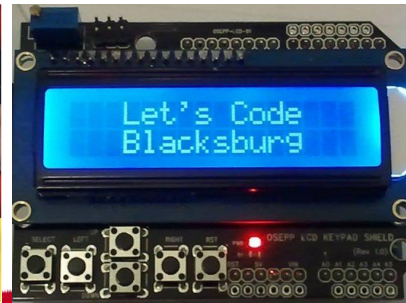
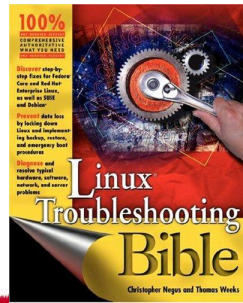


**Name:** “Tweeks” (aka Thomas Weeks)

**Position:** Technical Community Relations (+ other hats)

**Started:** Sept 1999 (as employee#12, current #1)

**My Passions:**



# ABOUT ME



**Name:** “Tweeks” (aka Thomas Weeks)

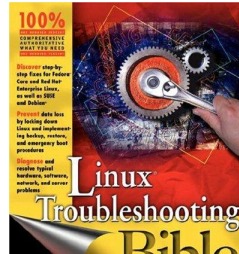
**Position:** Technical Community Relations (+ other hats)

**Started:** Sept 1999 (as employee#12, current #1)

**My Passions:**



redhat.  
CERTIFIED  
ENGINEER



Rockets - [nrvr.org](http://nrvr.org)

Free Community Tech Classes - [letscodeblacksburg.org](http://letscodeblacksburg.org)

{oo} ABOUT...

# {oo} LET'S CODE BLACKSBURG!



# { } ABOUT LET'S CODE BLACKSBURG







# ABOUT LET'S CODE BLACKSBURG

---

- **Is a Volunteer Based Community STEM Education group**
- **Was Founded in 2012 by Rackspace Developers**
- **Offers Hands On Workshops in Various Languages**

# COMMON MYTHS ABOUT STEM

---

# COMMON MYTHS ABOUT STEM

---

- STEM = Using lots of cool technology
- STEM education is only needed by future scientists
- STEM teachers require a Computer Science or pro-certification
- STEM programs are expensive



# COMMON MYTHS ABOUT STEM

---

- STEM = Using lots of cool technology
- STEM education is only needed by future scientists
- STEM teachers require a Computer Science or pro-certification
- STEM programs are expensive

# COMMON MYTHS ABOUT STEM

---

- ~~STEM = Using lots of cool technology~~ **FALSE**



# COMMON MYTHS ABOUT STEM

---

- ~~STEM = Using lots of cool technology~~ **FALSE**



Multimedia  
Education

# COMMON MYTHS ABOUT STEM

- ~~STEM = Using lots of cool technology~~ **FALSE**



Multimedia  
Education



# COMMON MYTHS ABOUT STEM

---

- ~~STEM = Using lots of cool technology~~ **FALSE**



*"In some cases, inventions prohibit innovation because we're so caught up in playing with the technology, we forget about the fact that it was supposed to be important."*

— Dean Kamen

Multimedia  
Education

# COMMON MYTHS ABOUT STEM

- ~~STEM = Using lots of cool technology~~ **FALSE**



Multimedia  
Education

*"In some cases, inventions prohibit innovation because we're so caught up in playing with the technology, we forget about the fact that it was supposed to be important."*

— Dean Kamen

*"Technology is how we create wealth, how we cure diseases, how we'll build an environment that's sustainable..."*

— Dean Kamen

# COMMON MYTHS ABOUT STEM

- ~~STEM = Using lots of cool technology~~ **FALSE**



Multimedia  
Education

*"In some cases, inventions prohibit innovation because we're so caught up in playing with the technology, we forget about the fact that it was supposed to be important."*

— Dean Kamen

*"Technology is how we create wealth, how we cure diseases, how we'll build an environment that's sustainable..."*

— Dean Kamen



# COMMON MYTHS ABOUT STEM

---

- ~~STEM = Using lots of cool technology~~ **FALSE**



Multimedia  
Education

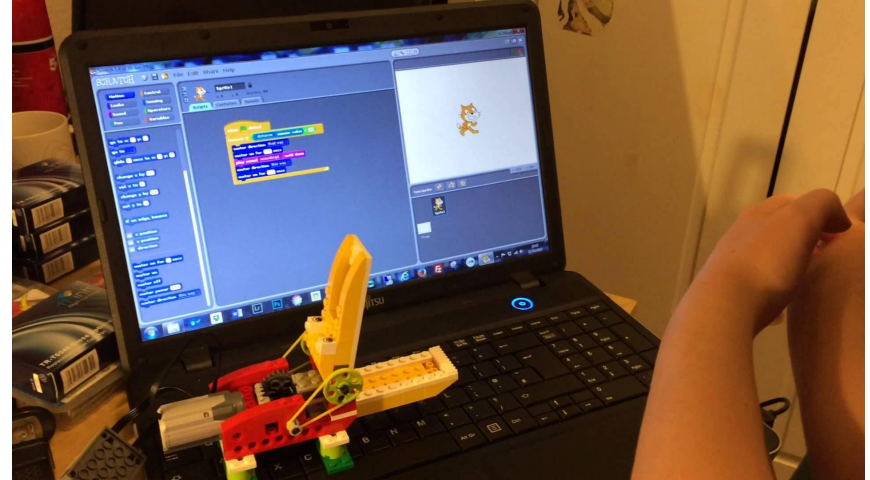
# COMMON MYTHS ABOUT STEM

- ~~STEM = Using lots of cool technology~~

**Creation / Innovation**



Multimedia  
Education



# COMMON MYTHS ABOUT STEM

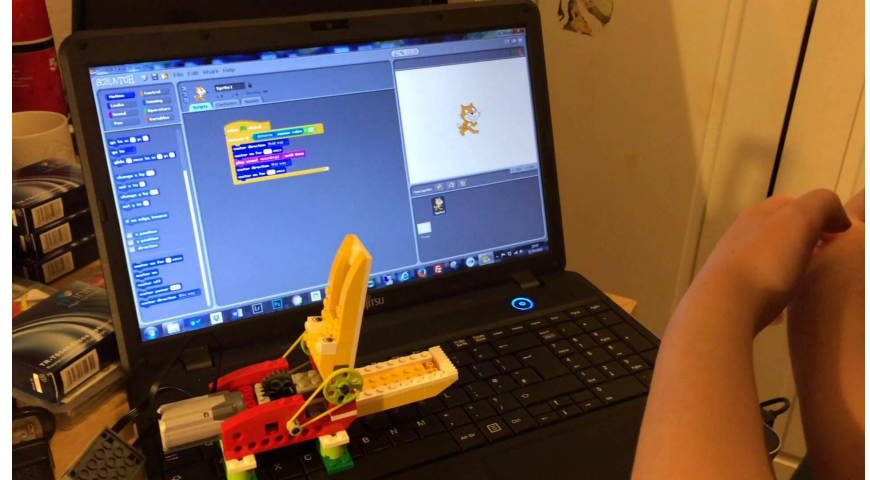


- ~~STEM = Using lots of cool technology~~

## Creation / Innovation



Multimedia  
Education



<http://tinyurl.com/lego-wedo-scratch>  
<http://makeymakey.com/how-to/>

# COMMON MYTHS ABOUT STEM

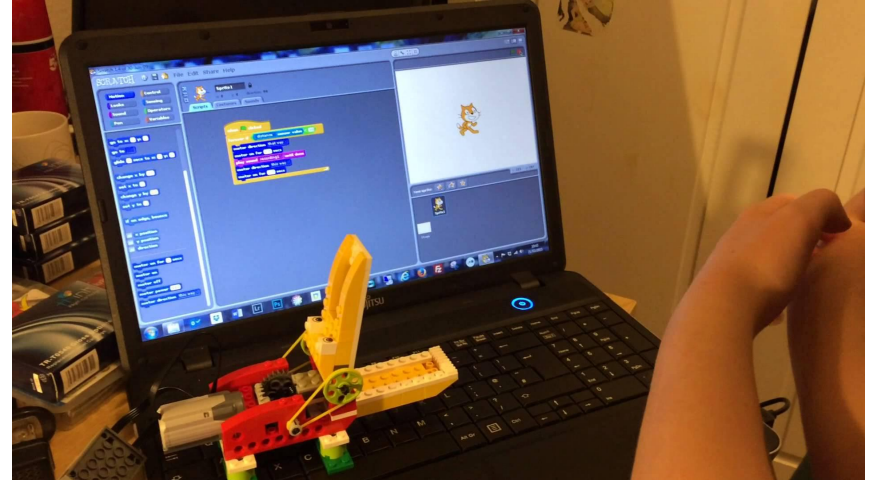


- ~~STEM = Using lots of cool technology~~

## Creation / Innovation



Multimedia  
Education



<http://tinyurl.com/lego-wedo-scratch>  
<http://makeymakey.com/how-to/>



Slides -

<http://tinyurl.com/stem-just-do-it>



# COMMON MYTHS ABOUT STEM

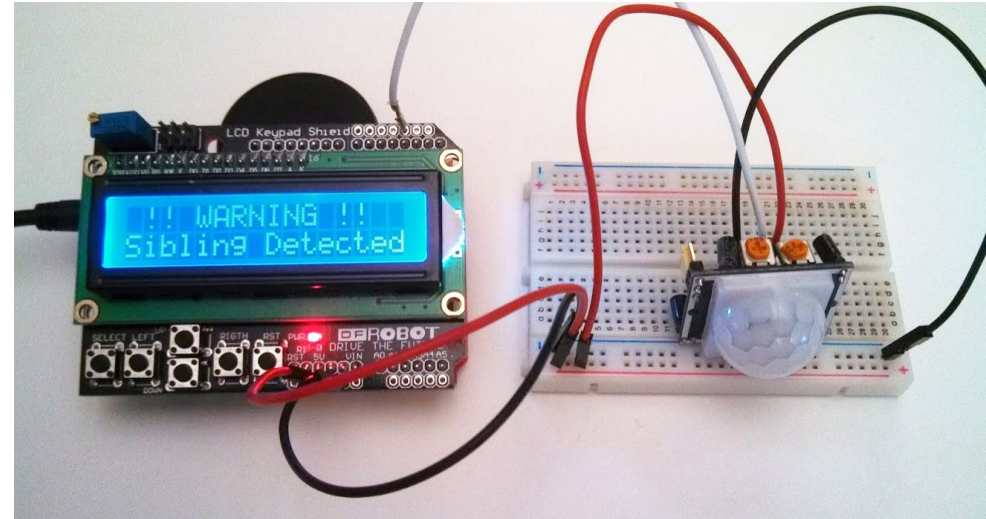


- ~~STEM = Using lots of cool technology~~

**Creation / Innovation**



**Multimedia  
Education**



[www.eventbrite.com/e/27372824856](http://www.eventbrite.com/e/27372824856)

# COMMON MYTHS ABOUT STEM

---

- ~~STEM = Using lots of cool technology~~

**STEM *Should* Be About Turning...**

# COMMON MYTHS ABOUT STEM

---

- ~~STEM = Using lots of cool technology~~

**STEM *Should* Be About Turning...**

**Consumers**





# COMMON MYTHS ABOUT STEM

---

- ~~STEM = Using lots of cool technology~~

**STEM *Should* Be About Turning...**

**Consumers      into ➡**



# COMMON MYTHS ABOUT STEM

---

- ~~STEM = Using lots of cool technology~~

**STEM *Should* Be About Turning...**

**Consumers      into ➡      Creators / Innovators**



# COMMON MYTHS ABOUT STEM

---

- ~~STEM = Using lots of cool technology~~

**STEM *Should* Be About Turning...**

**~~Consumers~~      into ➡      Creators / Innovators**



**Takers**



# COMMON MYTHS ABOUT STEM

---

- ~~STEM = Using lots of cool technology~~

**STEM *Should* Be About Turning...**

**~~Consumers~~      into ➡      ~~Creators / Innovators~~**



**Takers ➡ Makers**



# COMMON MYTHS ABOUT STEM

---

- ~~STEM = Using lots of cool technology~~

**STEM *Should* Be About Turning...**

**Takers**



**Makers**



# COMMON MYTHS ABOUT STEM



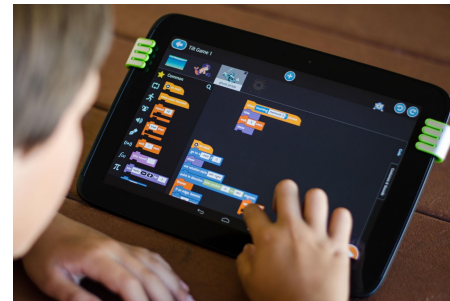
- ~~STEM = Using lots of cool technology~~

## STEM *Should* Be About Turning...

### Takers



### Makers



#### **“Scratch for iPad” = Pyonkee**

*“Tired of consuming? Let's enjoy creating! Based on Scratch, Pyonkee provides a real, programming environment, anytime, anywhere!”*

<https://itunes.apple.com/us/app/pyonkee/id905012686>



For Age 5-8 = <http://www.scratchjr.org/> (iPhone + Android)

Scratch for Android =

<https://scratch.mit.edu/discuss/topic/60012/>

(in development)

# COMMON MYTHS ABOUT STEM

---

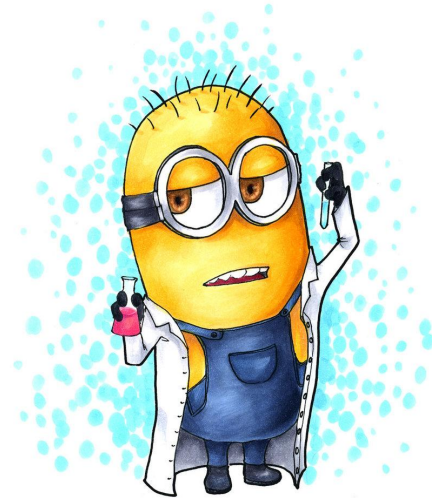
- Using lots of cool technology = STEM
- STEM education is only needed by future scientists
- Teaching STEM require a Computer Science or pro-certification
- STEM programs are expensive



# COMMON MYTHS ABOUT STEM

---

- ~~STEM education is only needed by future scientists~~ **FALSE**



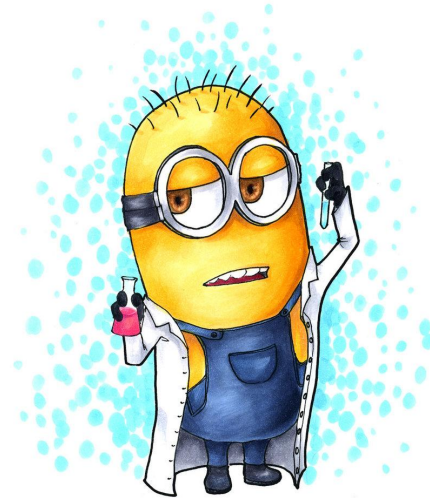
# COMMON MYTHS ABOUT STEM

---

- ~~STEM education is only needed by future scientists~~ **FALSE**

*"[Science] is more than a school subject, or the periodic table, or the properties of waves.  
It is an approach to the world, a critical way to understand and explore and engage with the world..."*

— President Barack Obama, March 23, 2015



# COMMON MYTHS ABOUT STEM

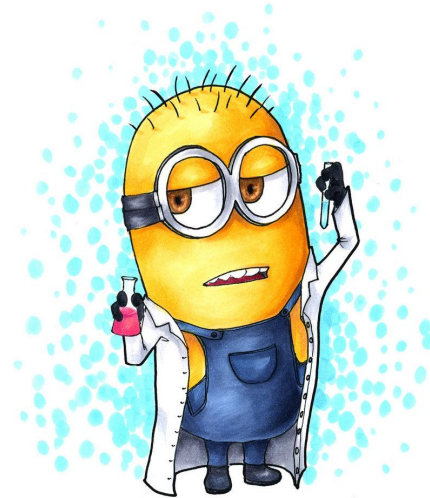
- ~~STEM education is only needed by future scientists~~ **FALSE**

*"[Science] is more than a school subject, or the periodic table, or the properties of waves. It is an approach to the world, a critical way to understand and explore and engage with the world..."*

— President Barack Obama, March 23, 2015

*"Most STEM-literate students follow more regular non-technical careers but with a rich STEM knowledge that can give them a competitive advantage in this increasingly complex highly connected world. Becoming STEM literate can help any career path... Many apparently non-STEM jobs have become STEM jobs, especially in the trades." [1]*

— Dr. Richard C. Larson, MIT

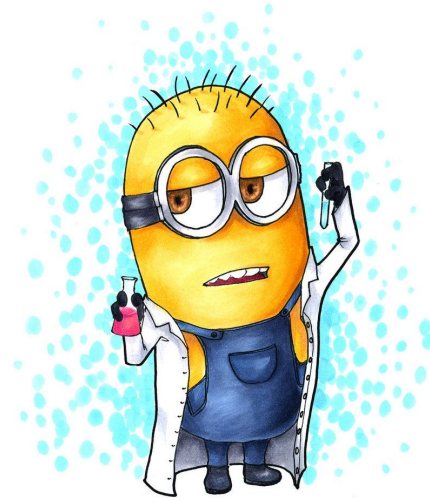


# COMMON MYTHS ABOUT STEM

- ~~STEM education is only needed by future scientists~~ **FALSE**

*“There’s huge holes developing in manufacturing, in aerospace, and in the maritime workforce, and that’s all STEM’.. Marie Kurose, the workforce development program manager at the Port of Seattle, said [one of our summer’s internship program’s goals is to] identify students with some experience in STEM and introduce them to [maritime] jobs they might be interested in as adults.” [1]*

*“Engagement in STEM subjects helps students develop problem-solving, critical thinking, and leadership skills. These skills are so universal, in fact, that [recent statistics indicate] that about three-quarters of the people with a bachelor’s degree in STEM fields are not working in those professions. Many non-STEM employers are poaching STEM-qualified job candidates because they are more creative and collaborative than their non-STEM counterparts.” [2]*



# COMMON MYTHS ABOUT STEM

---

- STEM = Using lots of cool technology
- STEM education is only needed by future scientists
- STEM teachers require a Computer Science or pro-certification
- STEM programs are expensive

# COMMON MYTHS ABOUT STEM

---

~~STEM teachers require a Computer Science or pro-certification~~

**FALSE**



# COMMON MYTHS ABOUT STEM

---

~~STEM teachers require a Computer Science or pro-certification~~

FALSE

- STEM is generating inquiry and leading to discovery

*“You cannot teach a man anything; you can only  
help him discover it in himself.”*

# COMMON MYTHS ABOUT STEM

---

~~STEM teachers require a Computer Science or pro-certification~~

FALSE

- STEM is generating inquiry and leading to discovery

*“You cannot teach a man anything; you can only  
help him discover it in himself.” — Galileo*

# COMMON MYTHS ABOUT STEM

---

~~STEM teachers require a Computer Science or pro-certification~~

FALSE

- STEM is generating inquiry and leading to discovery

*“You cannot teach a man anything; you can only help him discover it in himself.” — Galileo*

- Science is simply critical exploration:

*“Equipped with his five senses, man explores the universe around him and calls the adventure Science.” — Edwin Powell Hubble*

# COMMON MYTHS ABOUT STEM

~~STEM teachers require a Computer Science or pro-certification~~

**FALSE**

- STEM is generating inquiry and leading to discovery

*“You cannot teach a man anything; you can only help him discover it in himself.” — Galileo*

- Science is simply critical exploration:

*“Equipped with his five senses, man explores the universe around him and calls the adventure Science.” — Edwin Powell Hubble*



- Anyone who loves technology can teach technology

# COMMON MYTHS ABOUT STEM

~~STEM teachers require a Computer Science or pro-certification~~

FALSE

- STEM is generating inquiry and leading to discovery

*“You cannot teach a man anything; you can only help him discover it in himself.” — Galileo*

- Science is simply critical exploration:

*“Equipped with his five senses, man explores the universe around him and calls the adventure Science.” — Edwin Powell Hubble*



- ***Anyone who loves technology can teach technology***

# COMMON MYTHS ABOUT STEM

---

**Anyone who loves technology can teach technology**



- **Grant Martin, Age 12**

# COMMON MYTHS ABOUT STEM

---

**Anyone who loves technology can teach technology**



- **Grant Martin, Age 12**
- **Wrote & Taught “Intro to Java Programming” for Let’s Code Blacksburg!**



# COMMON MYTHS ABOUT STEM

---

**Anyone who loves technology can teach technology**



- **Grant Martin, Age 12**
- **Wrote & Taught “Intro to Java Programming” for Let’s Code Blacksburg!**
- **Audience mix of community and VT CS Freshmen/Sophomore Students**

# COMMON MYTHS ABOUT STEM

## Anyone who loves technology can teach technology



- Grant Martin, Age 12
- Wrote & Taught “Intro to Java Programming” for Let’s Code Blacksburg! [1]
- Audience mix of community and VT CS Freshmen/Sophomore Students

# COMMON MYTHS ABOUT STEM

---

- STEM = Using lots of cool technology
- STEM education is only needed by future scientists
- STEM teachers require a Computer Science or pro-certification
- STEM programs are expensive

# COMMON MYTHS ABOUT STEM

---

- ~~STEM programs are expensive:~~ **FALSE**




In a study on barriers and misconceptions of STEM Education [1], [Dr. Mokter Hossain](#) (unr.edu) states the solution partly lies in simply getting STEM out of the traditional classroom and exposing kids to extracurricular technology pursuits such as:

# COMMON MYTHS ABOUT STEM



## ● ~~STEM programs are expensive:~~ FALSE

In a study on barriers and misconceptions of STEM Education [1], [Dr. Mokter Hossain](#) (unr.edu) states the solution partly lies in simply getting STEM out of the traditional classroom and exposing kids to extracurricular technology pursuits such as:

- Science & STEM summer camps
- After school STEM programs, math, and technology clubs
- Technology hobbies such as [Makerspaces](#), [Ham Radio Clubs](#), [Tech User groups](#) 
- Providing lessons on [basic Internet boolean searches](#) and research skills 
- Providing STEM related magazines ([Make](#), [Nuts and Volts](#), [Servo](#)) 
- Offer [STEM job shadowing opportunities](#)
- Taking computers and technology apart and exploring

# COMMON MYTHS ABOUT STEM



## FREE Teacher Resources for STEM Learning / Projects

### Free STEM curriculum Is Everywhere:

- ★ • **Let's Code Blacksburg! Code + Classes** - <https://github.com/letscodeblacksburg>
- Lady Ada - Arduino: <http://www.ladyada.net/learn/arduino/>  
Raspberry Pi: <https://learn.adafruit.com/category/learn-raspberry-pi>
- Arduino Project Hub - <https://create.arduino.cc/projecthub>
- Python Game Programming - <http://pygame.org/wiki/tutorials>
- Python Game Programming Tutorial - <http://programarcadegames.com/>
- Kahn Academy for Teachers - <https://www.khanacademy.org/>

# COMMON MYTHS ABOUT STEM



## FREE Teacher Resources for STEM Learning / Projects

### Free Programming languages/IDEs:

- Scratch - [www.scratch.mit.edu/scratch2download/](http://www.scratch.mit.edu/scratch2download/) (just for scratch)
- Arduino IDE - [www.arduino.cc/en/Main/SoftwareDue](http://www.arduino.cc/en/Main/SoftwareDue) (just for arduinos)
- Eclipse IDE - <http://www.eclipse.org/>
- Notepad++ - <https://notepad-plus-plus.org/>
- Sublime Text - <http://www.sublimetext.com/>
- vim - [http://www.vim.org/scripts/script.php?script\\_id=4599](http://www.vim.org/scripts/script.php?script_id=4599)
- Online Programming Courseware:
  - [Code.org](https://code.org/) - <https://code.org/> (grade school → HS)
  - Code Academy - <https://www.codecademy.com/learn/all> (jr high→adult)
  - Coding Apps - [Lightbot](#), [CargoBot](#), [MoveTheTurtle / Robot School](#)
  - Coursera Python - <https://www.coursera.org/learn/python> (HS→adult)



# JUSTIFYING **STEM** IN YOUR ORGANIZATION

---

- **“Giving Back” is Great for Employee Engagement/Retention**
- **Great for Recruiting Both New & Seasoned Tech Experts**
- **Bottom Line: Great for Charitable Giving**

# JUSTIFYING **STEM** IN YOUR ORGANIZATION

---

- **“Giving Back” is Great for Employee Engagement/Retention**
- Great for Recruiting Both New & Seasoned Tech Experts
- Bottom Line: Great for Charitable Giving

# JUSTIFYING **STEM** IN YOUR ORGANIZATION

---

- **“Giving Back” is Great for Employee Engagement/Retention**
  - Employee engagement/satisfaction is much higher (360 reviews+NPS)
  - Employee retention rate is 2x as long (as non STEM outreach offices)
  - Watering the community’s STEM grassroots = “Pay It Forward” (future talent)

***Tip: Host not only STEM, but community causes your people are passionate about***

***WARNING: Be sure not to “burn out” key employees on doing events. Do check-ups and poll people on feelings, ideas, causes, etc***

# JUSTIFYING **STEM** IN YOUR ORGANIZATION

---

- “Giving Back” is Great for Employee Engagement/Retention
- **Great for Recruiting Both New & Seasoned Tech Experts**
- Bottom Line: Great for Charitable Giving

# JUSTIFYING **STEM** IN YOUR ORGANIZATION

---

- **Great for Recruiting Both New & Seasoned Tech Experts**
  - Active STEM programs attract seasoned tech-staff (w/kids)

# JUSTIFYING **STEM** IN YOUR ORGANIZATION

---

- **Great for Recruiting Both New & Seasoned Tech Experts**

- Active STEM programs attract seasoned tech-staff (w/kids)
- Everyone wants to have an inspiring job:  
“What we all want from work is to be valued members  
of a winning team on an inspiring mission.” [1]  
— Graham Weston

[1] - [www.datacenterknowledge.com/archives/2011/01/14/rackspaces-graham-weston-on-company-culture](http://www.datacenterknowledge.com/archives/2011/01/14/rackspaces-graham-weston-on-company-culture)

# JUSTIFYING **STEM** IN YOUR ORGANIZATION

---

- **Great for Recruiting Both New & Seasoned Tech Experts**

- Active STEM programs attract seasoned tech-staff (w/kids)
- Everyone wants to have an inspiring job:

“What we all want from work is to be valued members of a winning team on an inspiring mission.” [1]

— Graham Weston
- Passionate community events attract other passionate people
  - Passion is key differentiator on resumes

[1] - [www.datacenterknowledge.com/archives/2011/01/14/rackspaces-graham-weston-on-company-culture](http://www.datacenterknowledge.com/archives/2011/01/14/rackspaces-graham-weston-on-company-culture)



# JUSTIFYING **STEM** IN YOUR ORGANIZATION

---

- **Great for Recruiting Both New & Seasoned Tech Experts**

- Active STEM programs attract seasoned tech-staff (w/kids)
- Everyone wants to have an inspiring job:

“What we all want from work is to be valued members of a winning team on an inspiring mission.” [1]

— Graham Weston
- Passionate community events attract other passionate people
  - Passion is key differentiator on resumes
  - At least ½ of new internships are active in community outreach

[1] - [www.datacenterknowledge.com/archives/2011/01/14/rackspaces-graham-weston-on-company-culture](http://www.datacenterknowledge.com/archives/2011/01/14/rackspaces-graham-weston-on-company-culture)

# JUSTIFYING **STEM** IN YOUR ORGANIZATION

---

- “Giving Back” is Great for Employee Engagement/Retention
- Great for Recruiting Both New & Seasoned Tech Experts
- **Bottom Line: Great for Charitable Giving**

# JUSTIFYING **STEM** IN YOUR ORGANIZATION

---

- **Bottom Line: Great for Charitable Giving**
  - Increases employee engagement & retention[1]  
+
  - Tracking “volunteer hours” earns tax credits[1]
  - Sponsoring STEM events earns tax credits[1]

***Tip: For corp. outreach events, you may need to  
include a mixture of both STEM and  
non-STEM activities.***

[1] - [racksburg.com/community-stem-outreach-just-do-it/](https://racksburg.com/community-stem-outreach-just-do-it/)



# ABOUT LET'S CODE BLACKSBURG

---

- **Is a Volunteer Based Community STEM Education group**
- **Was Founded in 2012 by Rackspace Developers**
- **Offers Hands On Workshops in Various Languages**



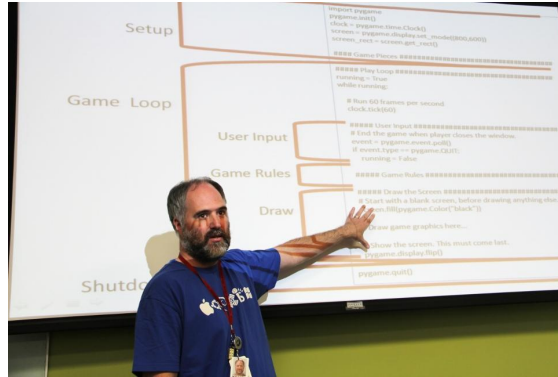
# ABOUT LET'S CODE BLACKSBURG

---

- **Is a Volunteer Based Community STEM Education group**
- Was Founded in 2012 by Rackspace Developers
- Offers Hands On Workshops in Various Languages

# {OO} MORE ABOUT LET'S CODE BLACKSBURG

- **Volunteer Based Community STEM Education group that...**
  - **Teaches** Kids, General Technology Lovers & IT/Developer Professionals
  - **Connects** Technology Experts → our community of learners
  - **Grows** our technology community through programming workshops





# MORE ABOUT LET'S CODE BLACKSBURG

---

- Is a Volunteer Based Community STEM Education group
- **Was Founded in 2012 by Rackspace Developers**
- Offers Hands On Workshops in Various Languages

# {oo} MORE ABOUT LET'S CODE BLACKSBURG

- **Was Founded in 2012 by Rackspace Developers**
  - To Connect & Grow our tech community (like Boston, Austin, San Fran)
  - Is a completely volunteer run, not-for-profit group
  - Are powered by local tech companies, RBTC, and community geek volunteers







# MORE ABOUT LET'S CODE BLACKSBURG

---

- Is a Volunteer Based Community STEM Education group
- Was Founded in 2012 by Rackspace Developers
- Offer Hands On Workshops in Various Languages



# MORE ABOUT LET'S CODE BLACKSBURG



## ● Offer Hands On Workshops in Various Languages



- Free/Near-Free 3hr hands on workshops → <https://github.com/LetsCodeBlacksburg>
- Language Workshops in: C++, Python, Javascript, HTML, .net/c#
- Technologies Workshop on: Arduino, RaspberryPi, PyGame, Minecraft, BYOD



(Javascript)

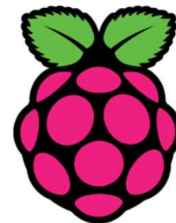


(Python)



ARDUINO

(C++)



RaspberryPi

(Python)

---

# Questions?

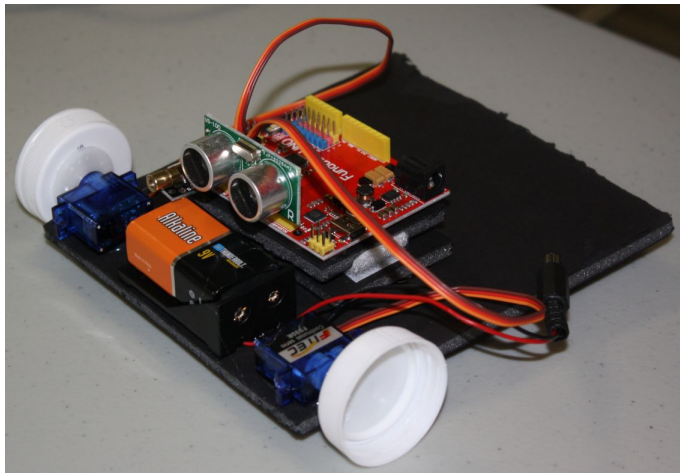




# COOL LET'S CODE WORKSHOPS



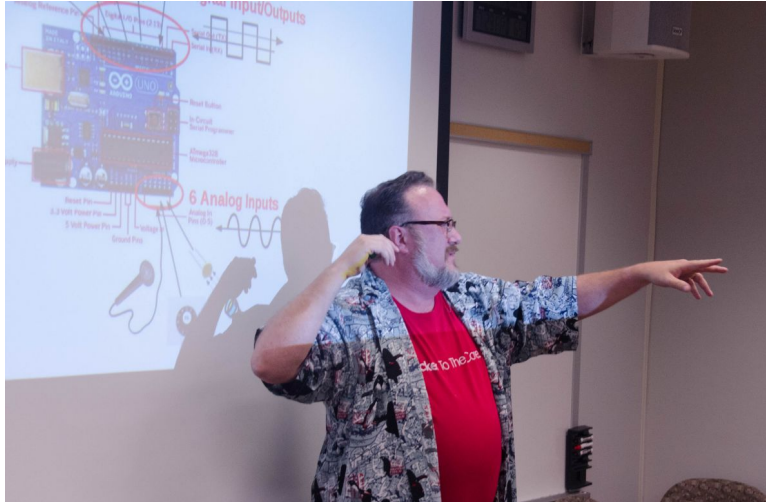
- **Mars Laser Bot Workshop** → [github.com/LetsCodeBlacksburg/LCBB\\_arduino-collision-bot](https://github.com/LetsCodeBlacksburg/LCBB_arduino-collision-bot)
  - Arduino/C++ Programming
  - Build & Program “Trash Bot” with laser cannon
  - Take it home to continue learning for around \$30 in parts



# {OO} COOL LET'S CODE WORKSHOPS



- **Teach the Teachers Arduinos** → [github.com/LetsCodeBlacksburg/arduino-recipes](https://github.com/LetsCodeBlacksburg/arduino-recipes)
  - How-To-Teach Arduino Workshops [www.eventbrite.com/e/26754451284](https://www.eventbrite.com/e/26754451284)
  - Taught intro arduino theory, workshop overviews, cheat-sheets
  - Sent teachers home w/\$25 mini arduino kits & LCBB curriculum



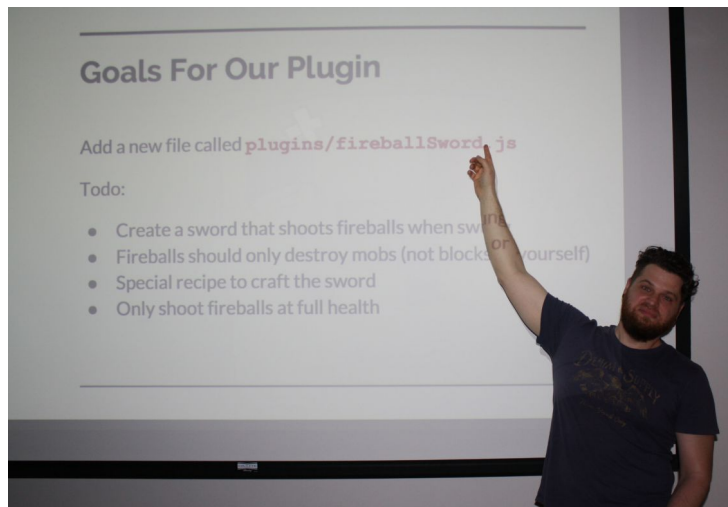




# COOL LET'S CODE WORKSHOPS





- **Minecraft Mod Hacking w/Javascript** → [github.com/LetsCodeBlacksburg/Scriptcraft-Spigot](https://github.com/LetsCodeBlacksburg/Scriptcraft-Spigot)
  - Kids Series - Two Night Minecraft Mods Hacking (Oct 8-9) [eventbrite.com/e/28149940229](https://eventbrite.com/e/28149940229)
  - Teach kids Javascript programming with Minecraft JS server
  - Sent kids home with Minecraft/Javascript installed (for further learning)





# COOL LET'S CODE WORKSHOPS



- **PyGame Python Game Programming** → [github.com/LetsCodeBlacksburg/IntroToPyGame](https://github.com/LetsCodeBlacksburg/IntroToPyGame) 
  - Kids Series - Getting Started w/PyGame [www.eventbrite.com/e/16110833938](https://www.eventbrite.com/e/16110833938) 
  - Teaches kids basic python, animation, collision detection
  - Sent kids home with Python + PyGame installed & running (for continued learning)

