

LIT STEM LABS 2018

Diverse STEM. Literary based. Hands On.

Join us on congratulating your camps for all they accomplished this summer!

BY THE NUMBERS: 1,295 KITS PROVIDED

UNIT 1: INTRO TO STEM

STEM drawstring bag, magnifying glass, science journal
lab coat, lab goggles

UNIT TWO: ARCHEOLOGY

Archaeology hat, measuring tape, personal dig kit

UNIT THREE: PALEONTOLOGY

personal dino claw dig kit, digging masks

UNIT FOUR: AEROSPACE ENGINEERING

paper plane, foam plane, wood plane
data chart for record keeping

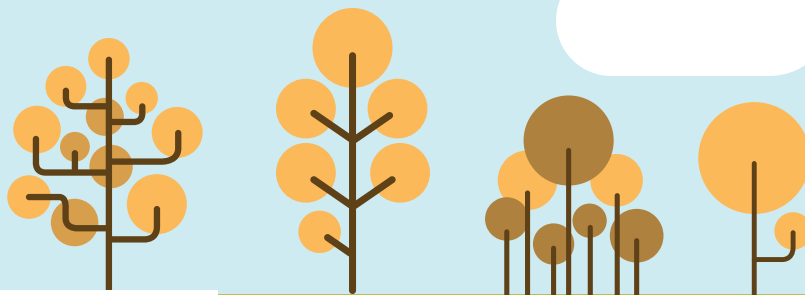
UNIT FIVE: MARINE BIOLOGY

hard cover OR soft cover blank book, foam stickers
(reusable) collapsible water bottle,

UNIT SIX: COMPUTER SCIENCE (CODING)*

20 Amazon tablets provided for use,
backpacks for anti-cyber bullying awareness

tablets provided for service, not kept by campers



Each week has books and math lessons that are used.



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WWW.IAMSCORE.ORG



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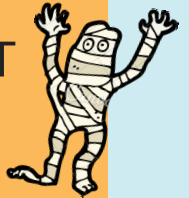
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BY THE NUMBERS

CAUTION:

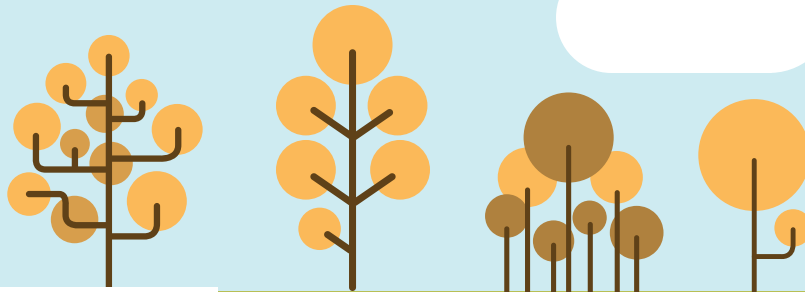
THE DATA ON THE FOLLOWING PAGES REFLECTS
THE PROFICIENCY LEVEL FOR EACH ASSESSMENT
PRE & POST UNIT INSTRUCTION
PROFICIENCY IS DEFINED AS 70% OR HIGHER



GENERAL IMPROVEMENT

**OF THE 325 PAIRS OF PRE/POST ASSESSMENTS
COLLECTED, ONLY 15 OF 325 (4.61%) INSTANCES DID
NOT REFLECT SOME FORM OF IMPROVEMENT IN
PERFORMANCE FROM THE PRE TO THE POST
ASSESSMENT**

*two groups facilitated at the same time



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BY THE NUMBERS

WE GAVE OUT 1,295 STEM CAREER KITS

- 185 kits each week
- 30 kits to SWORD/wk
- 30 kits to IMAGE OF CHRIST/wk
- 125 kits to YMCA/wk

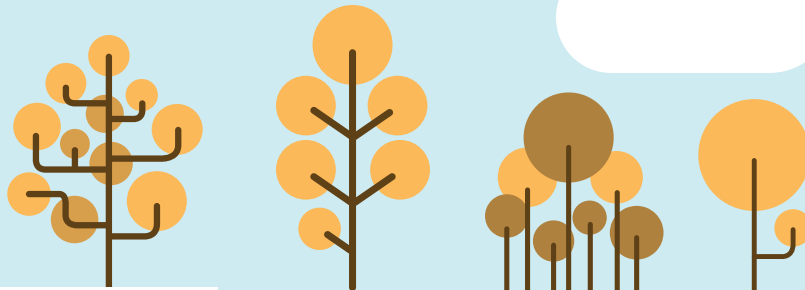
WE FACILITATED 106 SESSIONS

- 14 sessions each week
- 44 SWORD sessions
- 22 IMAGE OF CHRIST sessions
- 40 YMCA sessions

WE FACILITATED 140 HRS OF STUDENT INSTRUCTION

- 570 teacher instruction hours
- 25 teachers hours volunteered for planning
- 66 hours at SWORD*
- 33 hours at IMAGE OF CHRIST
- 40 hours at YMCA

*two groups facilitated at the same time



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ASSESSMENT #1 (PRE)- DIVERSITY IN STEM K5

SWORD: 11 OF 17 PROFICIENT

IMAGE OF CHRIST: 7 OF 13 PROFICIENT

YMCA: 27 OF 58 PROFICIENT

ASSESSMENT #1 (POST)-DIVERSITY IN STEM K5

SWORD: 16 OF 17 MAINTAINED OR IMPROVED TO PROFICIENCY

IMAGE OF CHRIST: 10 OF 13 MAINTAINED OR IMPROVED TO PROFICIENCY

YMCA: 50 OF 58 MAINTAINED OR IMPROVED TO PROFIC

ASSESSMENT #2A (PRE)- ADD/SUBTRACT 3-5

SWORD: 8 OF 17 PROFICIENT

IMAGE OF CHRIST: 11 OF 15 PROFICIENT

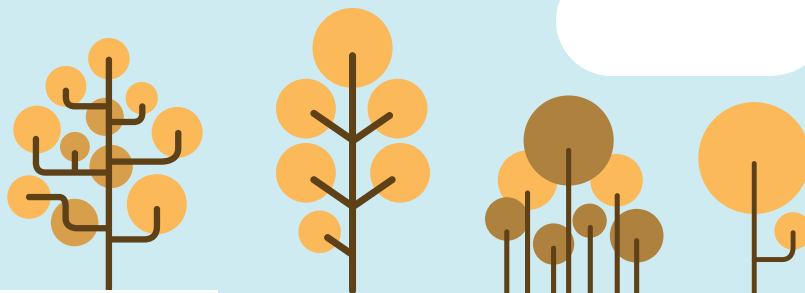
YMCA: NOT ADMINISTERED FOR THIS CAMP

ASSESSMENT #2A (POST)- ADD/SUBTRACT 3-5

SWORD: 12 OF 13 MAINTAINED OR IMPROVED TO PROFICIENCY

IMAGE OF CHRIST: 15 OF 15 MAINTAINED OR IMPROVED TO PROFICIENCY

YMCA: NOT ADMINISTERED FOR THIS CAMP



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ASSESSMENT #2B (PRE)- ADD/SUBTRACT K2

SWORD: 14 OF 14 PROFICIENT

IMAGE OF CHRIST: NOT ADMINISTERED AT THIS CAMP

YMCA: NOT ADMINISTERED AT THIS CAMP

ASSESSMENT #2B (POST) - ADD/SUBTRACT K2

SWORD: 7 OF 7 PROFICIENT*

IMAGE OF CHRIST: NOT ADMINISTERED AT THIS CAMP

YMCA: NOT ADMINISTERED AT THIS CAMP

ASSESSMENT #3A (PRE)- TEXT INFERENCE 3-5

SWORD: 7 OF 13 PROFICIENT

IMAGE OF CHRIST: 11 OF 12 PROFICIENT

YMCA: 19 OF 31 PROFICIENT

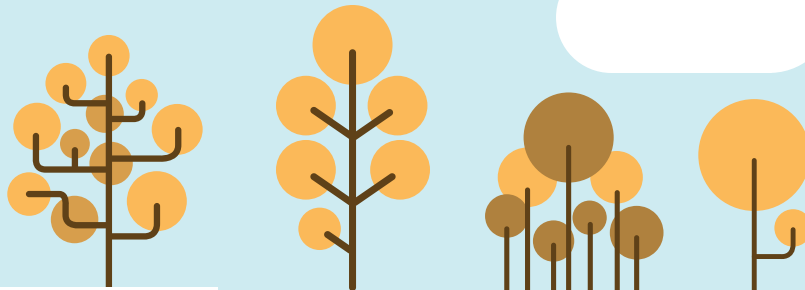
ASSESSMENT #3A (POST)-TEXT INFERENCE 3-5

SWORD: 10 OF 13 MAINTAINED OR IMPROVED TO PROFICIENCY

IMAGE OF CHRIST: 9 OF 12 MAINTAINED OR IMPROVED TO PROFICIENCY*

YMCA: 14 OF 31 MAINTAINED OR IMPROVED TO PROFICIENCY*

*count discrepancy due to less students present on date post assessment given



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ASSESSMENT #4A (PRE)-MEASUREMENT K2

SWORD: 10 OF 12 PROFICIENT

IMAGE OF CHRIST: NOT ADMINISTERED AT THIS CAMP

YMCA: 23 OF 50 PROFICIENT

ASSESSMENT #4A (POST)-MEASUREMENT K2

SWORD: 12 OF 12 MAINTAINED OR IMPROVED TO PROFICIENCY

IMAGE OF CHRIST: NOT ADMINISTERED AT THIS CAMP

YMCA: 40 OF 50 MAINTAINED OR IMPROVED TO PROFICIENCY

ASSESSMENT #4B (PRE)-MEASUREMENT 3-5

SWORD: 2 OF 11 PROFICIENT

IMAGE OF CHRIST: 5 OF 12 PROFICIENT

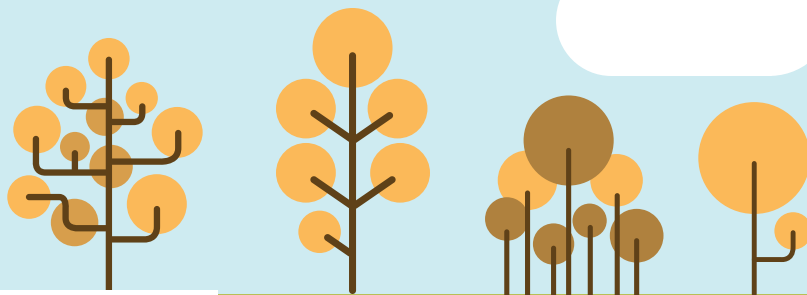
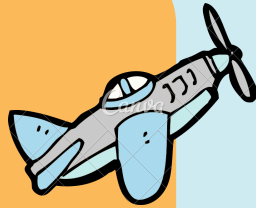
YMCA: 13 OF 50 PROFICIENT

ASSESSMENT #4B (POST)-MEASUREMENT 3-5

SWORD: 8 OF 11 MAINTAINED OR IMPROVED TO PROFICIENCY

IMAGE OF CHRIST: 9 OF 12 MAINTAINED OR IMPROVED TO PROFICIENCY

YMCA: 42 OF 50 MAINTAINED OR IMPROVED TO PROFICIENCY



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ASSESSMENT #5 : PORTFOLIO ACTIVITY-CORAL REEF BOOK

SWORD: 19 OF 20 SCORED PROFICIENT

IMAGE OF CHRIST: 16 OF 17 SCORED PROFICIENT

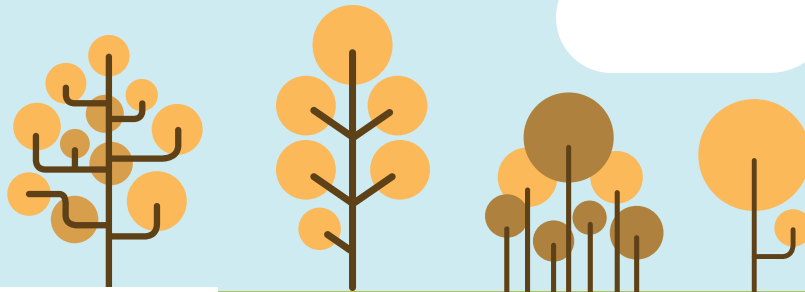
YMCA: 78 OF 78 SCORED PROFICIENT

ASSESSMENT #6 : PORTFOLIO ACTIVITY-HOUR OF CODE

SWORD: 1 SESSION, 3 HOURS OF CODE COMPLETED BY 20 STUDENTS

IMAGE OF CHRIST: 9 SESSIONS, 12 HOURS OF CODE COMPLETED BY 12 STUDENTS

YMCA: 6 SESSIONS, 37 HOURS OF CODE COMPLETED BY 23 STUDENTS



Each week has books and math lessons that are used.



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**CSCSLC
& SoRe Labs Inc Presents**

SORE LABS

Over 7 weeks, campers took on two challenges that will prepare you for the future & got a chance to win a prize!!!



COLLEGE & CAREERS

Challenge: Mock Interviews, Job Applications, & College applications...learn how it all works!

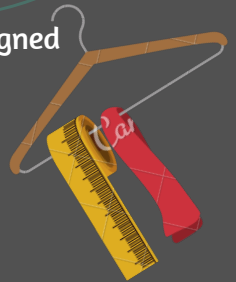
"BACK TO SCHOOL" BUSINESS CHALLENGE!!!

Challenge: Campers use math and marketing to customize a back to school bundle!



CYBER BULLYING BACKPACK

Challenge: Campers custom designed backpacks to depict anti-cyber bullying messages



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SORE LABS

**8 SESSIONS
6 CODING
1 CYBER BULLYING*
1 INTERNET SECURITY
8 HRS OF INSTRUCTION
37 HOURS OF CODE***

YMCA: CODING CHANGE

***37 HOURS OF CODE ACTIVITIES COMPLETED BY
23 CAMPERS**

SWORD OUTREACH!!!

**30 BACK TO SCHOOL
BUNDLES PROVIDED**

**22 SESSIONS*
9 COLLEGE/CAREERS
13 ENTREPRENEURSHIP
33 HOURS OF
INSTRUCTION**

***MS & HS TOGETHER**

**44 SESSIONS*
18 COLLEGE/CAREERS
26 ENTREPRENEURSHIP
66 HOURS OF
INSTRUCTION**

***MS & HS
SPLIT**

IMAGE OF CHRIST!!!

**30 BACK TO SCHOOL
BUNDLES PROVIDED**

OVERALL IMPACT!!!

**Team challenge: Pitch to our
Sharks and win!**

**74 SESSIONS*
107 HRS OF INSTRUCTION
55 CUSTOM SHOES
69 CUSTOM BACKPACKS
55 ARTS 'N CRAFTS**



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SORE LABS

COLLEGE & CAREERS

Team challenge: Mock Interviews, Job Applications, & College applications...learn how it all works!



ASSESSMENT: Campers completed a mock interview before and after the unit was taught

**PROFICIENCY DEFINED AS
70% OR HIGHER**

OVERALL:

Pre: 1 of 40 PROFICIENT

Post: 7 of 40 PROFICIENT

Post: 29 of 40 IMPROVED

39 OF 40 MAINTAINED OR IMPROVED

SWORD OUTREACH:

Pre: 1 of 24 PROFICIENT

Post: 4 of 24 PROFICIENT

Post: 20 of 24 IMPROVED

23 OF 24 MAINTAINED OR IMPROVED

IMAGE OF CHRIST:**

Pre: 0 of 16 PROFICIENT

Post: 3 of 16 PROFICIENT

Post: 9 of 16 IMPROVED

16 OF 16 MAINTAINED OR IMPROVE

**** 10 MORE CAMPERS COMPLETED THE PRE OR POST, BUT NOT BOTH OR LOST THEIR PORTFOLIO WITH THEIR RECORD OF COMPLETION**

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PROFICIENCY DEFINED AS 70% OR HIGHER

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SORE LABS

"BACK TO SCHOOL CHALLENGE" ENTREPRENEURSHIP SKILLS PT.1



Campers used marketing and math to bring social awareness for a chosen social cause through custom designing a bundle: a backpack, shoes, & an arts n craft

ASSESSMENT: Campers completed math test on decimals & fractions before and after the unit was taught

OVERALL:

Pre: 2 of 49 PROFICIENT
Post: 4 of 49 PROFICIENT
Post: 34 of 49 IMPROVED

*36 OF 49 MAINTAINED OR IMPROVED

SWORD OUTREACH:

Pre: 2 of 22 PROFICIENT
Post: 6 of 22 PROFICIENT
Post: 11 of 22** PROFICIENT

*11 OF 22 MAINTAINED OR IMPROVED

IMAGE OF CHRIST**:

Pre: 2 of 25 PROFICIENT
Post: 20 of 25 PROFICIENT
Post: 23 of 25* IMPROVED

* 25 OF 25 MAINTAINED OR IMPROVED

** 10 MORE CAMPERS COMPLETED THE PRE OR POST, BUT NOT BOTH AND HAD EVIDENCE OF PRACTICE COMPLETED IN THEIR NOTEBOOKS THEY GOT TO KEEP FOR THE SCHOOL YEAR

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PROFICIENCY DEFINED AS 70% OR HIGHER

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**"BACK TO SCHOOL
CHALLENGE"
ENTREPRENEURSHIP
SKILLS PT.2**

SORE LABS



Campers used marketing and math to bring social awareness for a chosen social cause through custom designing a bundle: a backpack, shoes, & an arts n craft

ASSESSMENT: Campers custom designed back to school bundle was scored using a rubric

SWORD OUTREACH:

19 OF 30 PROVIDED ARE STARTED
17 OF 30 COMPLETED
Post: 16 OF 17* PROFICIENT

*remaining 11 provided to SWORD Youth Camp

OVERALL:

81 of 84 BKPKS PROVIDED TO CAMPERS

8 CYBER BULLYING AWARENESS

BACKPACKS MADE AT YMCA

8 CYBER BULLYING AWARENESS

BACKPACKS MADE W/ IMAGE OF CHRIST YOUTH

49 of 53 BACK TO SCHOOL BUNDLES

COMPLETED* AT SWORD/IOC

*50 OF 53 COMPLETED AT LEAST ONE(1) PRODUCT

IMAGE OF CHRIST:

34 of 35 STARTED

32 OF 35 COMPLETED
Post: 26 of 32 PROFICIENT



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