

Leaders Innovators & Forward Thinkers of Tomorrow

OVERVIEW

Mission: The *mission* of Leaders Innovators & Forward Thinkers of Tomorrow (LIFTT Inc.) is to provide STEM education services to elementary, middle, and high school students for the purpose of building their capacity to handle academic rigor, workforce demands, and professional responsibilities to ensure their success in fields related to science, technology, engineering, and mathematics.

Vision: The *vision* of LIFTT Inc. is to create the next generation of leaders, innovators, and forward thinkers of tomorrow in fields related to science, technology, engineering, and mathematics (STEM).

Founded: 2010

Location: Oakland, CA

Population Served: Children and youth (elementary and secondary level, grades 1 - 12) throughout San Francisco Bay Area

Friends & Supporters: LIFTT Inc. is supported by generous and concerned community stakeholders, individual donors, foundations, volunteers, corporations, and community-based agencies.

Programs & Services of Impact: LIFTT Inc. seeks to accomplish the following through its programs and services: 1) to cultivate intrinsic motivation, 2) to foster academic excellence, and 3) to develop professional and business acumen for workforce and entrepreneurial pursuits.

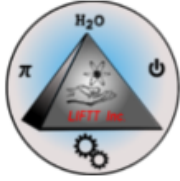
LIFTT Inc.'s core STEM programs for service delivery include:

◇ *LIFTT-NSBE Jr. Chapter* is a hybrid, STEM education program designed to inspire children and youth to become skilled professionals in STEM fields with a commitment to scholarship, leadership, and community empowerment. Student engagement is promoted through web-based, interactive platforms and face-to-face meetings held throughout the year.

◇ *iSTEM4ME* is a self-directed, web-based learning environment that leverages websites, videos, simulations, and learning resources on the web in a safe, secure, and easily accessible web-based, technology-enhanced learning platform to help students build their interest, skills, and knowledge base in areas related to science, technology, engineering, and mathematics.

◇ *LIFTT-Scholars* is a leadership program for high school seniors designed to facilitate their development of 21st century skills for life-long success. Participants spend seven months working together as a team (in partnership with local businesses and high-tech companies) to develop a solution-oriented project. Participants will receive a scholarship towards their college education upon completion of their project and proof of college enrollment.

◇ *LIFTT-Collegiate Internship* offers stipends and on-going training in youth development and leadership to college students in exchange for their 1-year commitment to serving as volunteers with the LIFTT-NSBE Jr. Chapter. Interns assist with hands-on STEM activities and supervision.



Founders

"I deliberately chose a career path that would allow me to work with families whose circumstances reflected the complexities of urban life. I value parent-school-community partnerships and the role education leaders play in strengthening these relationships."

~ Dr. NNeKa Harrison



"I believe education is a path to a higher quality of life, a way of preparation for purposeful living, and a doorway to realizing dreams, addressing social dilemmas, and leaving a mark of excellence on the hearts and minds of present and future generations."

~ Dr. Chris Harrison

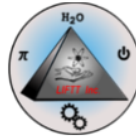
As Co-Founder / President & CEO of LIFTT Inc. and Chapter Advisor of the LIFTT-NSBE Jr., Dr. Chris Harrison is known as a passionate educator who is committed to raising the bar for the delivery of quality education and youth development services. Over a 18-year span, Dr. Chris Harrison has developed expertise as a classroom teacher, researcher, educational administrator, curriculum developer, and professional development trainer. As a TELS (Technology-Enhanced Learning in Science) Research Fellow, he studied the role of educational leadership, school policy, and professional development in scaling up technology-enhanced learning materials in science, technology, engineering, and mathematics to make it more accessible to diverse learning populations.

He holds an Ed.D. in Educational Leadership, two Master's degrees in Math/Science Education and Educational Leadership, and a teaching certificate in Math/Science education all from Mills College. Dr. Harrison also earned a Bachelor's degree in Urban Planning from Morehouse College. Dr. Chris Harrison has co-authored and published several articles related to teacher professional development, math/science education, and school reform.

As Co-Founder / Vice-President & COO of LIFTT Inc. and Chapter Advisor of the LIFTT-NSBE Jr., Dr. NNeKa Harrison is committed to leading with vision, dedication, and a determination to champion the cause for education and home-school-community partnerships. She is a dedicated wife, mother, educator, and motivator who understands the importance of building sustainable parent, school, and community partnerships. She is a former social service provider and family counselor. Over the past 16 years, Dr. NNeKa Harrison has consulted with school districts and community-based agencies on areas related to home-school partnerships, early childhood development, parental involvement, social-emotional development, and violence prevention.

Dr. NNeKa Harrison currently holds an Ed.D. in Educational Leadership and a Master's degree in Educational Leadership in Early Childhood from Mills College. She also has a Bachelor's degree in Criminal Justice from Clark-Atlanta University.

Dr. NNeKa Harrison and her husband, Dr. Chris Harrison have three children (a son and two daughters) and are co-authors of several books including: *How to Help Your Child Achieve Academic Success in School: Educating Your Child During the Elementary, Middle, and High School Years* and *Reflections from the Soul: Cultivating Leadership in a World Hungry for Change*.



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LIFTT-Scholars Program

LIFTT-Scholar Benefits:

- ❖ Access to STEM professionals and entrepreneurs
- ❖ College scholarship
- ❖ LIFTT-NSBE Jr. membership
- ❖ Leadership development
- ❖ Applied STEM project-based learning
- ❖ Support with finding career internships

Requirements to apply:

- ✓ High school senior
- ✓ Current LIFTT-NSBE Jr. member (in good standing)
- ✓ Online application (by invitation only)
- ✓ 3.0 grade point average
- ✓ 2 recommendation letters

STEM Education + 21st Century Learning = Readiness for the Future

- Are you a college bound high school senior?
- Do you have a desire to develop and enhance your leadership skills?
- Would you like to work with a team of motivated high school seniors?
- Do you have an interest in an integrated approach towards harnessing science, technology, engineering, and math (STEM) to solve a real-world problem?

LIFTT-Scholars is a leadership program for high school seniors designed to facilitate their development of 21st century skills for life-long success. Participants spend seven months working together as a team (in partnership with local businesses and high-tech companies) to develop a solution-oriented project.

Upon successful completion of the program, *LIFTT-Scholars* will receive a scholarship (in the amount of \$250 - \$500, contingent upon resources available) towards their college education. (Proof of college enrollment/acceptance letter is required before scholarship is awarded.)

Online Application Available: September 1st - September 30th

Application Due Date: October 10th

Program Period: November 1st - May 31st



**BUILDING THE NEXT
GENERATION OF
LEADERS AND INNOVATORS**

FRONT ELEVATION
8.000

RIGHT SIDE ELEVATION
8.000

To contact us, visit www.lifttinc.org.

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National Society
NSBE
Of Black Engineers

Learn more about our web-based STEM Program: **!LIFTT-NSBE Jr. Chapter!**

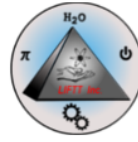


- Do you have a child (or student) between the 1st and 12th grade that enjoys learning about science, technology, engineering, and mathematics (STEM)?
- Is he/she interested in learning about STEM areas in a safe and secure, web-based interactive learning environment?
- Does your child (or student) have an interest in learning about college, leadership development, financial literacy, 21st century skills, and cultural contributions to STEM fields?

If yes, then do the following...

- 1) Visit our website at: <http://www.liftt-nsbejr.org>.
- 2) Follow 3 simple steps to register your child (or student) as a member of the *LIFTT-NSBE Jr. Chapter*.
(**Note:** Registration is open between August 1st and October 31st of each calendar year.)

Also, feel free to visit our YouTube Channel at <http://www.youtube.com/user/lifttnsbe>.



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LIFTT-Collegiate Internship

LIFTT-Collegiate Internship Benefits:

- ❖ Real-world work experience
- ❖ 2 Paid stipends
- ❖ Build 21st century skills
- ❖ Networking opportunities with STEM and industry professionals
- ❖ Apply classroom theory to youth development
- ❖ Opportunity to inspire students and incite their interest in STEM

Requirements to apply:

- ✓ College student (enrolled)
- ✓ Online application
- ✓ 3.0 grade point average
- ✓ Complete a background check
- ✓ 2 recommendation letters

STEM Education + 21st Century Learning = Readiness for the Future

- Are you a college student with an interest in working with youth?
- Do you have volunteer experience in your local community?
- Would you like to help us create the next generation of STEM professionals?
- Do you have an interest in an integrated approach towards harnessing science, technology, engineering, and math (STEM) to solve real-world problems?

LIFTT-Collegiate Interns will receive two stipends (in the amount of \$500 in December and May) and on-going training in youth development and leadership in exchange for their 1-year commitment to serving as volunteers with the LIFTT-NSBE Jr. Chapter. *LIFTT-Collegiate Interns* assist with hands-on STEM activities and supervision and serve as chaperons during field trips.

Proof of college enrollment is required to be submitted with the internship application.

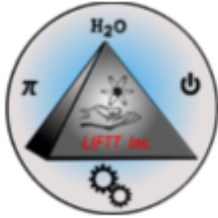
Online Application Available: July 25th - August 25th

Application Due Date: August 28th

Program Period: September 12th - May 31st



To contact us, visit www.lifttinc.org.



Leaders Innovators & Forward Thinkers of Tomorrow

** Appeal for your support of LIFTT Inc.'s **2015 Campaign for STEM** **

Dear Community Stakeholder,

For the last 5 years, Leaders Innovators & Forward Thinkers of Tomorrow (LIFTT Inc.) has provided children and youth throughout the San Francisco Bay Area with quality education experiences in science, technology, engineering, and mathematics (STEM). We believe all children should have access to supplemental educational resources and opportunities that help incite their interest in STEM!

We are writing to request that you support our **2015 Campaign for STEM** to help us achieve our goals of offering quality STEM education learning experiences, scholarships, and purchasing learning materials and educational technology equipment for youth "at-promise."



To achieve these goals, LIFTT Inc. needs your support to reach its fundraising goal of \$50,000 by December 31, 2015.

Your financial support will help us realize our vision of creating the next generation of leaders, innovators, and forward thinkers in STEM fields.

About LIFTT Inc.

The *mission* of LIFTT Inc. is to provide STEM education services to elementary, middle, and high school students for the purpose of building their capacity to handle academic rigor, workforce demands, and professional responsibilities to ensure their success in fields related to science, technology, engineering, and mathematics.

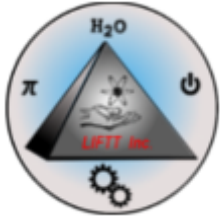
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The Value

80% of jobs in the U.S. require mastery in science and math, but students are not equipped with the necessary skills for the workforce. Computer programmers, physicists, and engineers are less likely to experience joblessness. For the last 10 years, growth in STEM jobs has been 3 times greater than non-STEM jobs. Individuals who hold STEM degrees enjoy higher salaries, job promotions, and greater job stability (edutopia.org/stem-strategies).

1300 Clay Street, Suite 600 • Oakland, CA 94612
Office: 510.306.2544

E-mail: info@liffinc.org • Website: www.liffinc.org



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The Urgency

Did you know that the 2014 ACT College Admissions National Profile Report states the following: 1) 86% of African-American and 72% of Hispanic/Latino ACT test takers did not meet the college readiness benchmark for Mathematics, 2) 90% of African-American and 79% of Hispanic/Latino ACT test takers did not meet the college readiness benchmark for Science, 3) 95% of African-American and 86% of Hispanic/Latino ACT test takers did not meet the college readiness benchmark for Mathematics, Science, English, and Reading?



Building Capacity

LIFTT Inc. seeks to increase its capacity to serve youth throughout the San Francisco Bay Area in the following ways:

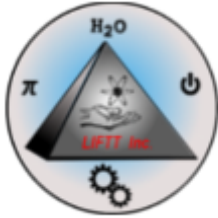
- serve 75 - 100 youth for the 2015 - 2016 calendar year with quality STEM (science, technology, engineering, and mathematics) programming and services
- develop partnerships with business and tech companies to offer internships to college students, scholarships for high school seniors, and project-based learning activities to K-12 students
- acquire laptops, tablets, computer software / apps, and STEM curriculum/kits to provide our students with cutting-edge resources for learning
- realize our fundraising goals by securing corporate partnerships / sponsorships, planning special events, and building partnerships with local community-based organizations
- provide our staff and volunteers with professional development training in youth development, instructional best practices, and development-related activities
- meet our operational costs (e.g., marketing materials, leasing space, contracted services, various technology-related costs, etc.)

Type of Support Requested

Although we welcome and appreciate *any* donation amount to support our efforts, *monthly recurring or large-sum donations* will help us achieve our goals with a greater degree of sustainability. Again, no donation amount is too small to help us achieve our goals! We appreciate your generosity and sacrifice to help us continue to champion the cause for excellence in STEM education for youth.

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As with any nonprofit, fundraising is the engine of LIFTT Inc. because it is our pathway to building a secure and stable foundation for ensuring the sustainability our operations and impact for years to come. To solidify our existence and anchor our work with children and youth in STEM, we must grow our community of supporters to ensure our financial stability as a nonprofit.

Two Ways to Make Your Contribution to LIFTT Inc.'s 2015 Campaign for STEM

- 1) Recurring or One-time Donation Online (via our website)
- 2) Mail-in Donation by Individuals, Businesses, or Employer Matching Programs (see attachment)

Will you make a gift today to help us prepare youth to become positive, productive, innovative, skilled, and caring citizens?

Our Giving Projections Required to Raise \$50,000 by the December 31, 2015

Number of Gifts	Gift Range	Total Amount
2	\$6,000	\$12,000
3	\$3,000	\$9,000
6	\$1,500	\$9,000
10	\$750	\$7,500
25	\$250	\$6,250
30	\$100	\$3,000
40	\$50	\$2,000
50	\$25	\$1,250
Total (150+ Gifts)		\$50,000

Leaders Innovators & Forward Thinkers of Tomorrow (LIFTT Inc.) is a nonprofit, public benefit corporation and is recognized as a tax exempt organization under section 501(c)(3) of the Internal Revenue Code. All gifts and donations to LIFTT Inc. are tax-deductible to the fullest extent of the law.



Leaders Innovators & Forward Thinkers of Tomorrow

DONATE

...to help a child become the next
leader, innovator, and forward thinker
of tomorrow!



Your generous donations to LIFTT Inc. will help unlock the door
to limitless possibilities in science, technology, engineering, and
mathematics (STEM).

In closing, we humbly request that you support our efforts by making a contribution to our **2015 Campaign for STEM**. Your donation will support our programs and services and help us build our capacity to offer needed STEM education services to "youth at-promise" throughout the San Francisco Bay Area and historically underserved communities.

Thank you for your kind generosity!

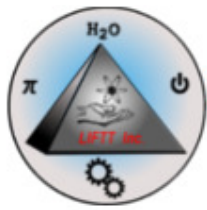
Sincerely,

Dr. Chris Harrison
President & CEO

Visit www.lifttinc.org to learn more about our work in championing the cause for excellence in STEM education for youth "at-promise."

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Foundation	Strategic Goals and Organizational Imperatives			Accountability										
<p>Mission</p> <p>The <i>mission</i> of LIFTT Inc. is to provide STEM education services to elementary, middle, and high school students for the purpose of building their capacity to handle academic rigor, workforce demands, and professional responsibilities to ensure their success in fields related to science, technology, engineering, and mathematics.</p> <p>Vision</p> <p>The <i>vision</i> of LIFTT Inc. is to create the next generation of leaders, innovators, and forward thinkers of tomorrow in fields related to science, technology, engineering, and mathematics.</p>	<p>Financial Sustainability</p> <p><u>Goal #1</u> - To develop a diversified and sustainable financial model for long-term growth.</p> <ul style="list-style-type: none"> ◦ Build an endowment (funded by individual donations, grants, signature revenue-generating events, fundraising activities) to support LIFTT Inc.'s 3 core STEM programs: <i>LIFTT-NSBE Jr. Chapter</i>, <i>LIFTT-Collegiate Internship Program</i>, and <i>LIFTT-Scholars Program</i>. <p>Programmatic Impact</p> <p><u>Goal #2</u> - To deliver high quality STEM education services to youth that will incite their interest and increase their readiness for careers related to science, technology, engineering, and mathematics.</p> <ul style="list-style-type: none"> ◦ Establish the LIFTT-NSBE Jr. Chapter as a premier STEM education program for elementary and secondary school students. ◦ Offer STEM-related, special events throughout the year to students via hybrid (online and face-to-face) service delivery programming. <p>Brand and Operations</p> <p><u>Goal #3</u> - To increase brand distinction and market advantage of LIFTT Inc. as an effective STEM education and youth development organization.</p> <ul style="list-style-type: none"> ◦ Integrate cutting edge technology, social media, and internet marketing strategies to increase brand awareness. ◦ Implement research-based, <i>3-Pronged Strategy for Student Achievement</i> (Parental Engagement, 21st Century Learning, and Student Agency). 			<p>How we measure success</p> <table border="1"> <thead> <tr> <th>Measure</th> <th>Target (by 2017)</th> </tr> </thead> <tbody> <tr> <td>- \$ in budget</td> <td>\$250K</td> </tr> <tr> <td>- # of participants served annually</td> <td>150</td> </tr> <tr> <td>- % of surveys (pre/post, parent and youth)</td> <td>95% completion</td> </tr> <tr> <td>- Evaluation report</td> <td>Every 2 years</td> </tr> </tbody> </table>	Measure	Target (by 2017)	- \$ in budget	\$250K	- # of participants served annually	150	- % of surveys (pre/post, parent and youth)	95% completion	- Evaluation report	Every 2 years
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- \$ in budget	\$250K													
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- % of surveys (pre/post, parent and youth)	95% completion													
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<p>Overall Strategy</p> <p>LIFTT seeks to accomplish the following in children and youth through its programs and services:</p> <ol style="list-style-type: none"> 1) to cultivate intrinsic motivation, 2) to foster academic excellence, 3) to develop professional and business acumen for the workplace and entrepreneurial pursuits 	<p>Training and Board Development</p> <p><u>Goal #4</u> - To maximize organizational impact of board members, staff, and volunteer base in the interest of LIFTT Inc.'s mission.</p> <ul style="list-style-type: none"> ◦ Increase knowledge capital of nonprofit management, fundraising, and best practices in STEM education service delivery. ◦ Leverage professional connections, corporate partnerships, alumni relations, and community resources on behalf of LIFTT Inc. 			<p>Our organizational advantage</p> <ul style="list-style-type: none"> • Continuous Program Improvement • Strong Leadership • Community Partnerships • Research-based Educational Model • Diversified Funding Base • Hybrid Student Learning Model (online and face-to-face student engagement) <p>How we will get there</p> <p>2015 – Lay the foundation for quality service delivery and financial strength</p> <p>2016 – Establish group of core partners</p> <p>2017 – Develop the infrastructure for growth in operations, programs, training and development, and donor base</p>										



LIFTT-NSBE Jr.
Leaders
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Tomorrow



Curriculum Framework

for LIFTT-NSBE Jr. Chapter General Membership Activity Days (Grades 1 - 12)

The LIFTT-NSBE Jr. Chapter holds General Membership activity days for its student members in the following months: **September, November, December, February, and April.**

Core Areas	September (Fall Kick-Off)	November (Young Innovators Day)	February (STEM Day)	December (Community Service Day)	April (CAL Day)
Science Exploration	Think Like a Scientist (video)	Science on the Web (online)	Scientific Method in Action (hands-on)		
Build it! Design it! Test it!	Engineering for the Future (hands-on)	Think Like an Engineer (video)	World of Code (online)		
Math is Life & Life is Math	Cool Calculation, Brainteaser, & Riddles! (online)	Solving Problems with Mobile Technology (hands-on)	Think Like Mathematician (video)		
Technology	Online Learning	Technology for the 21 st Century	Careers in STEM		

Note: Between General Membership activity days, *LIFTT-NSBE Jr.* members will receive exclusive information and resources (via Google+ , iSTEM4Me, and email) that focus on the following topics: 1) Local and regional STEM Opportunities, 2) Leadership Development, 3) 21st Century Skills, 4) Character Education and Life Skills, 5) College Exploration, 6) Financial Literacy, 7) Innovation & Entrepreneurship, and 8) Family STEM Challenge Activities.