What is So You Think You Can STEAM?

So You Think You Can STEAM is a brand new program at Lincoln Children’s Museum sponsored by Big Red Keno and focusing on allowing students a chance to display their talents and share them with others. The program is built as a contest with three separate levels: top 20, top 10 and then final 3. The initial top 20 will be chosen based on their applications with 4 chosen from each field of study (science, technology, engineering, art and math). These top 20 will then present their projects at Lincoln Children’s Museum on Saturday, May 13th from 10 am- Noon while judges score the projects based on several criteria, including their process, future endeavors the project could impact, and creativity level of the project. The top 10 will be announced at the end of this event and they will be awarded $200 to help fund additional elements of their project and will be paired with a mentor in their field. In July the top 10 will present their enhanced projects at the Museum to an audience of guests and judges. The top 3 will then be chosen to present in August and the final winner will be awarded a $1,000 scholarship from LI-COR Biosciences to be used in their STEAM field in some way, as well as exciting experiences related to their field.

Requirements:

Each participant must present a project that falls into one of the following five project categories:

- **Experiment**: An experiment can be a test made to demonstrate a known scientific fact or it can also be a test to determine if a hypothesis is accurate.
- **Model**: A model is a small object usually built to scale that represents some already existing object.
- **Demonstration**: A demonstration is an illustration or explanation of a scientific principal that shows how and why something works.
- **Collection**: A collection is a grouping or gathering of various objects which must be scientifically oriented and show that you have learned something through the process of collecting and categorizing.
• **Invention** - An invention is a new device or process used to improve conditions, solve problems or to fill needs. Inventions can be completely new ideas or improvements on something that already exists today.

Projects must also be regarding topics in one of the STEAM fields of study (Science, Technology, Engineering, Arts, or Math). Your project must include a three-sided display that gives viewers an overview of the topic under investigation. This display will be an overview of what you found out as a result of your investigation. It will have a title, a summary of your most important information, and pictures, graphs, charts, and/or drawings to show what you did and what you learned. Your project must also include an experiment, model, demonstration, collection, or invention which is exhibited on the table in front of your display. Program is open to students from grade 4-12.

You will be required to give a two minute oral presentation about your project to judges and Museum guests. You will need to explain what you have done and what you have learned as a result of your investigation.

**Application Due Date: May 1, 2017** Must be returned to Lincoln Children’s Museum by 5 pm on this day. Applications can be emailed to STEAM@lincolnchildrensmuseum.org, mailed to our address or dropped off at the Welcome Desk during open hours.

**Contact Information:**

Name: ____________________________________________________________

Address: __________________________________________________________

Phone Number: _____________________________________________________

School: _____________________________________________________________

Field of Study (circle one):  **Science**  **Technology**  **Engineering**  **Art**  **Math**

Title of Project: _____________________________________________________

Brief Description of Project:

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Display Requirements (water source, electrical outlets, flat surface, tables etc.):

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Set Up Requirements:

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Please answer the following questions about your project (answers should fill no more than 2 pages total, typed, single-spaced):

What intrigues you most about your field of study?

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In what ways do you plan to further your education in this field of study?

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What impact do you see yourself having on your local community through this project?

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What inspires you to work towards your goals?

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Briefly explain why you feel you deserve this scholarship?

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(Please attach any further documentation you feel would enhance your application)