

WHAT IS THE i2i CHALLENGE?

Part art show/part science project, the i2i Challenge is a fun way for students to explore nature and investigate STE(A)M (science, technology, engineering, art and math) while inspiring creative thinking.

WHY PARTICIPATE IN THE i2i CHALLENGE?

For Educators: The STEM + Art = STE(A)M—Inspiration to Innovation (i2i) Challenge was developed to give students the opportunity to further their understanding of how STEM subjects and art relate, and the importance of that symbiosis. The i2i Challenge provides educators with community support and a framework to encourage creativity through imagination and incorporate STEM subjects.

For Students: STEM + Art = STE(A)M—Inspiration to Innovation (i2i) Challenge allows students to explore the integration of art concepts and STEM subjects. The i2i Challenge provides students with a supported framework for discussion of STEM subjects. Students' observations and classroom discussions serve as the foundation for the students' exploration of the relation between art and STEM and the impact they have on each other.

This exploration will lead students to a better understanding of the symbiotic relationship between art and STEM and encourage them to use their imagination and knowledge to further develop those concepts in new and creative ways.

Under the Sea...



INSPIRATION TO INNOVATION: PRESENTED BY TMSC & NBMAA

The **i2i Challenge** is presented in a joint partnership by the **Talcott Mountain Science Center (TMSC)** and the **New Britain Museum of American Art (NBMAA)**.

The **Talcott Mountain Science Center** is committed to inspiring a love for learning through the wonders of science and technology. Since the organization's inception in 1967, TMSC has continued to be a leader in STEM education, but we believe that STE(A)M -- incorporation of the arts -- is essential to the creative learning process. Learning must be robust and meaningful in all aspects of the curriculum. This concept is the foundation for all learning opportunities offered by TMSC, resulting in hands-on, inquiry based, and fully integrated programming for all ages.

The **New Britain Museum of American Art** is the first institution dedicated solely to acquiring American art. Spanning three centuries of American history, the Museum's permanent collection is renowned for its strengths in colonial portraiture, the Hudson River School, American Impressionism, the Ashcan School, as well as the important mural series *The Arts of Life in America* by Thomas Hart Benton. The singular focus on American art and its panoramic view of American artistic achievement, realized through the Museum's permanent collection, exhibitions, and educational programming, make the NBMAA a significant resource for a broad and diverse public. The New Britain Museum of American Art strives to be a center for lifelong learning in the arts by presenting education programs that incorporate best education practices and an understanding of varied visitor learning styles in order to deepen visitors' understanding and appreciation of American art. The STEM principles of exploration and discovery are a natural complement to the art-making process. From math-themed middle school tours in our galleries to engineering challenges in our ArtLab for our youngest visitors, the NBMAA embraces STEM + Art in our educational endeavors.



NEW BRITAIN MUSEUM OF AMERICAN ART

Talcott Mountain
SCIENCE CENTER & ACADEMY

Under the Sea...

Under the Sea...

THE i2i CHALLENGE THEME: UNDER THE SEA

Oceans cover approximately 70 percent of our planet's surface, and scientists have just begun to explore what lies beneath. We've seen swordfish swim as fast as cars can drive (60 mph), whales that can dive underwater for ninety minutes or more between breaths, and animals like the octopus who camouflage themselves to blend in seamlessly in their surroundings -- all examples of art and engineering in nature. **Think of what YOU can create by learning about these and other things found under the sea!**

You might want to consider:

- What enables some fish to swim at super fast speeds, while others, like sea horses, swim at a snail's pace? What are hydrodynamics and how do they affect an animal's movement underwater?
- Air is lighter than water, so how can whales take a deep breath -- filling their lungs with air -- and then dive deep into the ocean? It's more complicated than you think!
- How do marine mammals control buoyancy, and how do fish and other aquatic animals breath underwater? Can some animals live underwater and on land? How do they adapt to their environment?
- These are but a few examples...

YOUR MISSION:

Using inspiration from 'Under the Sea,' create or illustrate a work of art that focuses on aesthetic value, an engineering concept, solving a real-world problem, or any combination thereof.

ELIGIBILITY:

Open to all students in grades K through 8 (as of January 1, 2018) who are current residents of Connecticut.

QUESTIONS?

For additional information, contact Kate Swanson, New Britain Museum of American Art, 860-229-0257 ext. 220 or email swansonk@nbmaa.org.



NEW BRITAIN MUSEUM OF AMERICAN ART



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Under the Sea...

IMPORTANT DATES & DEADLINES:

Fall 2017 – Submit Intent to Participate (requested, but not required)

Friday, Dec. 1 – Open for Registration

Thursday, Feb. 15 – Deadline for Registration Form

Friday, Feb. 16 - Thursday, Feb. 22 – All submissions delivered to NBMAA

Week of Feb. 26 – Judging

Early March – Winners and their sponsoring organizations will be notified

Tuesday, Mar. 20 – Awards Ceremony 5:30 pm; Opening Reception 6:30-7:30 pm

Thursday, Mar. 25 – Last day of student exhibition

Apr. 5, 6 & 7 – Artwork to be picked up at NBMAA (between 9 am – 5 pm)

PRIZES:

Prizes will be awarded in the following categories:

Gr. K-2 | Gr. 3-5 | Gr. 6-8 | Group Entries

FIRST PRIZE RECIPIENTS (3) RECEIVE:

- \$150 Gift Certificate plus Award Certificate
- Behind the Scenes tour at one of several locations, TBD.
- Complimentary memberships at TMSC & NBMAA

MERIT AWARDS:

- Certificate of Recognition
- Complimentary memberships at TMSC & NBMAA

EXHIBITION & RECEPTION:

All accepted entries will be on display for public viewing at the NBMAA from March 20 - 25, 2018.

Artists receiving awards/Award recipients, their families and their sponsoring school or organization will be invited to attend the awards ceremony on Tuesday, March 20. The program will take place at NBMAA at 5:30 pm. The Opening Reception will immediately follow and is open to the general public.



Under the Sea...

GENERAL GUIDELINES

ELIGIBILITY:

Open to all students in grades K through 8 (as of January 1, 2018) who are current residents of Connecticut.

ARTWORK:

- **Format:** Art must fit in one of the following categories:
 - **2-D:** Minimum size of 9"x12" and maximum size of 22"x30." Acceptable media includes paint, pencil, marker, crayon, ink, chalk and original photography. All 2-D artwork must be matted in white and must fit the size restrictions specified above, including the mat.
 - **3-D:** Acceptable media includes wood, clay, metal, paper, soapstone, plastic and all 2-D media listed above. Mixed media will be accepted and is encouraged. Maximum dimensions are 13" w x 13" h x 24" d. Mobile entries must meet all size and media restrictions for 3-D category. Powered pieces must be battery or spring/wind-up or gravity powered.
 - **Digital:** Files must be submitted via TMSC's DropBox. Call 860-677-8571 for access. Artwork should not include audio. PDF, JPG or standard movie file formats preferred.
- Artwork must not exceed 35 pounds.
- The Museum prohibits glitter, wet paint, sharp objects, open flames, balloons, spray (perfumes, hairsprays, etc), dangerous chemicals, weapons, pressurized containers, plants or animals (alive or dead), sand, water, hazardous materials (explosive, flammable, or perishable), decaying materials (visible mold, or insect infestation), or anything deemed harmful to the Museum's collection. Anything of question should be cleared by the Collections Department via Kate Swanson, 860-229-0257 ext. 220.

LABELS, MATTING, AND TITLES:

Artwork should be labeled on the **BACK LOWER RIGHT** of the mat with the following: Student's Name, School/Org., City/Town, Grade, Age, Title, Teacher/Facilitator's Name, Medium & Entry Category (2-D, 3-D, Digital).

A description of the artwork that includes the student's source of inspiration and demonstrated STEM principles must also be submitted. **Please write legibly.**

Entries must be matted in white or ivory, with 2" outside matting. We hope teachers encourage students to give their works titles, which will be included in the program book. Blank entries will be labeled *Untitled*.



HOW TO REGISTER (It's EASY!):

PRE-REGISTRATION (optional)

Are you planning to have your classroom or youth group participate in the i2i Challenge? Please let us know! Send an Intent to Participate email to swansonk@nbmaa.org that includes your name, school/organization, town, student grade level and the number of entries you anticipate submitting to the Challenge.

STEP 1: REGISTRATION

Deadline—Wednesday, February 15, 2018

All participating schools and groups must complete and submit the i2i Registration Form online at tmsc.org/i2i. Form must be submitted before the close of business on Feb. 15, 2018. We recommend registering early due to space limitations. Registration may close before Feb. 15th if capacity for entries has been reached.

Individual artists who have created artwork independently can also submit entries by following the instructions above -- leaving the 'School' and 'Art Teacher' fields blank.

It is very important that the Registration Form be completed in detail as the information will be used on artwork labels and for the exhibition.

Registration information must indicate the following:

- Artist's Name, Age, Grade and Town of Residence
- Artwork Title & Medium (including list of all materials used in artwork)
- Educator/Facilitator's Name, Organization, Address, Phone Number, Email

STEP 2: SUBMISSIONS

Deadline—Thursday, February 22, 2018, 6:30 pm

After completing and submitting the Registration Form, arrange to have your artwork delivered to NBMAA, 56 Lexington St., New Britain, CT. **Artwork will be accepted Monday - Friday from 11am - 5pm (6:30pm on Thursdays).** All items must be labeled appropriately. (*Refer to Labels, Matting & Titles on back*)

Other important items to note:

- Only one work per student/group may be submitted.
- All artwork must be an original work from conception through development and shall not infringe on any copyrights or any other rights of any third parties.
- The i2i judges reserve the right to disqualify artwork deemed as offensive.
- If any part of the artwork or its description has been plagiarized, it will be disqualified. Submissions that are derivative works must have permission from the original copyright owner, unless the "fair use" doctrine applies.
- Entries that do not comply with contest rules and/or are submitted after deadlines will not be eligible for judging.

