



## **Q&A: New Science Center - Maker Space**

### **Why is Carleton Building a new Science Center?**

Carleton has been historically strong in graduating students in the sciences and that is becoming even more true today. Carleton's Science program has grown dramatically over the past 20 years. Sciences represent more than half of the majors at Carleton. The top majors in 2016 at Carleton were: Biology, Computer Science, Economics, Chemistry, Mathematics, Psychology and Physics & Astronomy. Carleton is also a national leader in producing science Ph.Ds. ranking sixth in the nation behind, Cal Tech, Harvey Mudd College, MIT, Reed College and Swarthmore College. In the past twenty years Carleton has seen a 30% increase in laboratory enrollments and 38% increase in faculty. To meet these demands the facilities master plan recommended a 30% increase in square feet to address needs in the sciences.

### **What is a Maker Space in this new Science Center?**

A Maker Space has been described as a modern age "wood shop," but it is so much more. The space will comprise 3-D printing, computer-aided design, and visualization, all which contribute to new ways of teaching and learning in the sciences and other disciplines. The space is for entrepreneurial and interdisciplinary-minded people, or people who like to "tinker." The Maker Space will provide a collaborative learning environment for developing habits of partnership, and creativity, allowing students to work through problems in a repeated process of brainstorming, testing solutions, and going back to the drawing board, thus encouraging the development of crucial problem-solving skills.

### **Who will use the Maker Space?**

Faculty and students across disciplines.

### **Why does Carleton need a Maker Space?**

The Maker Space will help meet the emerging needs of faculty and students related to active, technology-rich learning. It will prepare students across disciplines with opportunities to see themselves as innovators, inventors and entrepreneurs and enable students with experience in making, repairing, and trouble-shooting equipment, independently or with the guidance of staff and faculty. One of the goals of this space is to help move students toward ever-greater intellectual autonomy and self-confidence. Students will explore new ways to collect, interpret and utilize data, vital to the exploration of scientific discovery.

## **Where is the space located?**

The Maker Space will be located on the lower level of the new Science Center, adjacent to the atrium. It is expected to be a general gathering space for all students, science and non-science alike. The space is next to the Physics Department and the main Physics Department shop and instrumentation offices. It comprises 678 square feet.

## **How much does it cost and what is the Trustee Capstone?**

The cost of the space is \$1M. Once the Class of 1969 raises \$1M toward this project, it will trigger a \$1M Trustee Capstone Gift. In other words, the Class of 1969 gets a \$1M gift for \$1M raised, generating \$2M toward the overall 50<sup>th</sup> Reunion class gift.

## **How can I support this project?**

Outright gifts of cash, stock, mutual funds, qualified charitable distributions (charitable IRA rollover), or other liquid assets can be pledged up to five years and will help toward the \$1M goal. Legacy gifts can also be designated to this purpose, but will not help trigger the \$1M Trustee Capstone Challenge.

## **Will my gift be matched?**

Outright gifts and pledges for the Maker Space will be matched by the 50<sup>th</sup> Reunion Committee Challenge Fund dollar-for-dollar from now through December 31, 2018 or until funds are fully utilized.

## **Who can I talk to about this?**

### **Gift Committee**

Brad Lewis  
[lewisb@union.edu](mailto:lewisb@union.edu)  
518-248-7646

Marie Matsen  
[ratsenmice@gmail.com](mailto:ratsenmice@gmail.com)  
541-342-2734

Harry McLachlin  
[hdmclach@aol.com](mailto:hdmclach@aol.com)  
203-656-3153

Andy Beck  
[abeck@torys.com](mailto:abeck@torys.com)  
212-628-2850

Tom Boast  
[t.boast47@gmail.com](mailto:t.boast47@gmail.com)  
718-636-2928

Michael Freehling  
[mfreehling@yahoo.com](mailto:mfreehling@yahoo.com)  
310-471-5434

Cynthia Hinds  
[cindyhinds@hotmail.com](mailto:cindyhinds@hotmail.com)  
303-888-4940

Ed Kerson  
[ekerson@ewkny.com](mailto:ekerson@ewkny.com)  
212-228-6658

Tim Nelsen  
[tnelsen1@gmail.com](mailto:tnelsen1@gmail.com)  
312-440-0990

John Nydahl  
[jdneydahl@hotmail.com](mailto:jdneydahl@hotmail.com)  
541-653-9206

Margaret O'Dell  
[mhodell1@gmail.com](mailto:mhodell1@gmail.com)  
312-933-5754

Jim Santelli  
[santelli@mchsi.com](mailto:santelli@mchsi.com)  
952-401-0103

Linda Tapsak  
[linda.tapsak@gmail.com](mailto:linda.tapsak@gmail.com)  
952-356-5008

Leslie Bloch Weiss-Gordon  
[lesweiss47@yahoo.com](mailto:lesweiss47@yahoo.com)  
520-333-4009

Alan Winsor  
[alanwinsor@gmail.com](mailto:alanwinsor@gmail.com)  
203-438-5342

John Wu  
[opstat@aol.com](mailto:opstat@aol.com)  
407-566-3431

### **Carleton Staff**

[50threunion@carleton.edu](mailto:50threunion@carleton.edu)  
1-866-208-3889