

## **Academy for Science and Design (ASD)**

Board of Trustees Meeting Minutes -MARCH 8, 2017 (Approved 4/12/17)

doc ref: 2017-MAR 08- ASD Board Minutes

**Board Members Present (10):** David Alukonis, Peter Bewley, Heather Bobbitt, Rod Conard, Kent Glossop, Dr. Karen Graham, Kim Lavallee, Heather MacDonald, Brian Smith, Matt Southerton

**Board Members Absent (1):** Greg Czuba

**Non-Voting Members Present (2):** Jennifer Cava, Sarah Frischknecht

**Non Voting Members Absent (1):** Fiona Doyle

**Others in Attendance:** Kym Harmon, Derek Bobbitt, Scott Bobbitt, Dr. Dan Moriarty

**Meeting called to order 6:36 PM by Brian Smith**

### **1. Public Comments -**

- a. Derek Bobbitt, ASD Freshman and Eagle Scout Candidate, presented the final accounting for his Eagle Scout Community Service Project: an outdoor storage locker to hold gear for the outdoor clubs and recess equipment for the 6th grade which is located at ASD on the back of the side lot outside the 6th grade wing. Derek recognized Mrs. Sarah Frischknecht as not only his school advisor, the school representative/teacher volunteer for the Back2School Dance Committee, and his adult advisor for the dance committee meetings held prior to the Back2School Dance Fundraiser held this past September 2016. This event raised over \$3450 and additionally featured door prizes from local businesses, Microsoft Cloud+ Enterprises, and had a special vendor appearance by Sub-Zero. The Back2School was attended by 180 student attendees, 31 volunteers, 12 which were ASD students and teachers. Derek then presented the outdoor locker keys to Mrs. Cava, as well as, a check to ASD reflecting the balance of the remaining funds of \$1806.06. He presented a sponsorship board listing monetary donors as well as donors of supplies and door prizes that were featured at the Back2School Dance. The total volunteer hours presented for this service project totaled 824 hours.

Kent Glossop arrived at 6:38pm

### **2. Approve Minutes from previous meeting**

**Peter Bewley made a motion to approve the February 8, 2017, meeting's minutes, 2nd by Kim Lavallee, 9 were in favor 1 abstention, Matt Southerton, so moved.**

### **3.Consent Agenda - ICA - School Calendar, 2nd reading/request for approval**

**Peter Bewley made a motion to accept the 2017-18 Academic Calendar, 2nd by David Alukonis all were in favor, so moved.**

#### 4. Policies - JLBC - Immunization of Students, 1st reading

**Heather McDonald made the motion to approve the 1st reading of JLBC, Immunization of Students, and move it to the consent agenda for a 2nd reading for the April Board Meeting, 2nd by Peter Bewley, all in favor, so moved.**

#### 5. Items of Board Business

- a. Board Chairman ( Brian Smith) no report today.
- b. Board Treasurer (Kim Lavallee)

Kim Lavallee reported budget update as on track and January 31, 2017 P & L as well as the Balance Sheet were sent in advance to the Board, no questions.

Profit and Loss/Balance Sheet as of January 31, 2017:

[https://mail.google.com/mail/u/0/?ui=2&ik=bd938e7d32&view=att&th=15a95de575bc0fad&attid=0.1&disp=inline&realattid=f\\_izu9wjip0&safe=1&zw](https://mail.google.com/mail/u/0/?ui=2&ik=bd938e7d32&view=att&th=15a95de575bc0fad&attid=0.1&disp=inline&realattid=f_izu9wjip0&safe=1&zw)

[https://mail.google.com/mail/u/0/?ui=2&ik=bd938e7d32&view=att&th=15a95de575bc0fad&attid=0.1&disp=inline&realattid=f\\_izu9wjip0&safe=1&zw](https://mail.google.com/mail/u/0/?ui=2&ik=bd938e7d32&view=att&th=15a95de575bc0fad&attid=0.1&disp=inline&realattid=f_izu9wjip0&safe=1&zw)

#### 6. Proposed 2017-2018 ASD School Calendar (Jenn Cava)

**Heather MacDonald made a motion to accept the 2017-18 ASD School Calendar , 2nd by Dr Karen Graham, all in favor, so moved.**

#### 7. Proposed Budget for 2017/2018 (Dave Alukonis)

Proposed Budget Analysis along with Proposed Budget for 2017-18 discussed.

**Heather MacDonald made a motion to accept the Proposed Budget for 2017-18, 2nd by Rod Conard, all were in favor, so moved.**

#### 8. Proposed New External ASD Board Member (Rod Conard)

**Rod Conard made a motion to bring Daniel Moriarity onto the Board as a new External Board Member, 2nd by Kim Lavallee, all were in favor, so moved.**

He will be offered a choice of a 1 or 2 year term. This will be announced at the next board meeting.

#### 9. Director's Report (Jenn Cava). Director's Report sent prior to tonight's board meeting

[https://docs.google.com/a/asdnh.org/document/d/1pPD0XVBu-HleQFMt7T1VzTPivpF-UzYDv6gCIT6IHfg/edit?usp=sharing\\_eil&ts=58bdc362](https://docs.google.com/a/asdnh.org/document/d/1pPD0XVBu-HleQFMt7T1VzTPivpF-UzYDv6gCIT6IHfg/edit?usp=sharing_eil&ts=58bdc362)

- Nashua School continues to ask for more demographics on the ASD students.
- U.S. Presidential Scholar Nominees: Dexter Czuba and Brin Harper
- Annual Fund income: 116K to date

- Senior Project Presentations

Dr. Dan Moriarty arrived 7:25pm

## 10. Faculty and Student Affairs

### a. Faculty Report (Sarah Frischknecht)

1. ASD will be competing in two weeks (from your meeting date) at the 2-day NH TSA state conference at Attitash Mountain Resort. Approximately two dozen ASD high school students will attend this year's conference. This includes three of the state's six state officers who are ASD TSA members (Justin and Nathan Yeung and Sloane French). ASD also has three students running for next year's state office (President, V.P. and Treasurer) with all facing a good chance of winning! ASD continues to lead NH's TSA in participation, wins, and officers. With parent volunteers David and Linda Valin and Eileen Mashimo, and state board member Andrew French, we continue to bring ASD's STEM-centric voice to this important organization. (Technology Student Association is the nation's largest student STEM CTSO with over 250,000 members and 4 million alumni.

2. Author Heather Krill (author of *True North*) will be here for SPARK and GSA this month.
3. Lucien Martel was the winner of the school level for the National Geography Bee and qualified for the state level to be held on Friday, March 31, 2017. He won school level and qualified to go to the state level last year too.
4. A few of the outside presenters that are coming to the next SPARK Day: Charta Cloud will be doing a humanoid robot demonstration, the Seacoast Fencing Club will be doing a hands-on demonstration, Elaine Isaak will be discussing being a published author, and business owners Pam Richardson will be doing a presentation on pet ownership, including the finance piece of that, and Michele Siegman is doing a presentation on Sculpting Your Memory (using clay).
5. Team Phoenix has its first competition of the season at WPI on Thursday and Friday this week.
6. Chris Marsh would like to highlight a project in the new behavioral psychology class. Students broke into teams that pretended to be "companies" in order to put an array of skills to use, in order to design a sensation & perception experiment for the real world. They were tasked with building an experiment to determine the optimum ratio of multiple ingredients for a new "energy drink." The project required not only pure experimental design, but a large portion of the project centered on avoiding real world confounding variables, unintentional bias, and theoretical data reporting. They then had to present their design as if it were a sales pitch, combining multiple areas of expertise in an environment that they might see in the world outside of school. The project went very well, and will definitely be a permanent part of the syllabus.
7. Bridget Phillips and Christine Rohr mentored 3 teams that won Honorable Mention in the ExploraVision competition. The students had to take a current

technology, design how it would work and look in the future. Students created model websites, and explained the history of the technology, design process, and where it would head in the future, etc. ASD is the only school in NH have teams place at this level.

The winners were:

- 3D Nerds: Jason Zhu, Tyler McCabe, Karsten Lemire: “The 3D printer is a device that can print 3D objects, through processes like FDM (Fused Deposition Modeling) and SLM (Selective Laser Melting). Our team, 3D Nerds, wants to build on this idea and create a tool that could print functional biological tissue. This device would help veterans, as well as other people who have lost or damaged tissue or organs. In order to print such a complex object in a short period of time, we decided that we should use multiple cell extrusion units to make the process faster. The entire printer would function optimally in a low-gravity environment, due to the reduced stress on the cells. Our team would then print them in a FDM like process which is placing one cell on top of each other, eventually creating a 3D object. In the end, we hope our printer could revolutionize the world and save lives.”
- Digital Camera: Kaavyaa Dave, Nicole Lee, Vera Mangahas, Kelechi Okorie: “The current digital camera many different problems that ours will fix. First of all, the current digital camera is too big for some people and is hard to carry around. To fix this, our digital camera is designed smaller and easier to hold so you can carry and store it easily. Our new design will enable people to carry the camera anywhere. Furthermore, when you take a picture and the camera is in high resolution, the photo will take up a lot of storage space. The current camera is also very expensive; it ranges from 80 dollars to 300 dollars. Ours will cost less because it is smaller. Our camera will also save energy by using solar power, and at nighttime will use a charger. We thought of an eco-friendly and portable camera that saves energy.”
- TARP (Umbrella) - Nora Carlen, Katherine Delsignore, Alanna Couturier: “An umbrella is a piece of technology that protects one from rain or sun. Without an umbrella, we would always be getting wet. If the umbrella is so commonly used, why does it only have a few features? Currently, the umbrella’s uses are limited. Right now they are only made for protection from rain and sun. Technology Advances in Rain Protection - or T.A.R.P. - has a vision to change that. We imagine an umbrella that will consist of three layers, including one made of solar fabric and one with water turbines to generate energy and send it through a series of cords leading to a smartphone charger. Our design will allow the user to charge a smartphone from anywhere!”

b. Student Body Report (Fiona Doyle) not present this evening, no report.

## **11. Committee Reports**

### a. Facilities (Brian Smith)

Brian Smith reported PFIC has contacted Jenn Cava presenting themselves as a loan source as they cater to non-profit entities. Brian Smith also reported there were new attendees at their last meeting and they discussed the idea of using brokers for commercial loans with less upfront costs. The committee will look into what ASD could borrow if we were given the option and asked the Finance Committee put together a 5 year forecasted budget they can present. Regardless of this inquiry, it was stated that our long term lease with our current landlord, the Tamposi Group, has been secured. There was another discussion on the status of the defunct Daniel Webster College and if any plans have been made for that

property since it was closed and whether Southern NH University will be part of that reformation. There are no indications of anyone knowing of any plans in play at this time.

b. Finance (David Alukonis)

David Alukonis reported the committee met and completed work on the 2017-18 Budget which was brought before the Board this evening, they are meeting tomorrow, Friday, March 10 at 8am and will be working on a 5 yr budget worksheet as well as continuing to work on the Reserve Funds Policy.

c. Personnel (Kim Lavallee)

Kim Lavallee reported the committee met and went over the staff renewal plan and is currently working with Mrs. Jenn Cava, to prepare for the Director's review and plans to bring that to the May Board Meeting.

d. Policy (Greg Czuba)

Greg Czuba was not in attendance this evening, however, Heather McDonald reports there are 8 policies are solidly in process

e. Strategic Planning/Initiatives/Outreach (Rod Conard)

Rod Conard reported there has been a delay meeting till next Monday.

f. Trustee Membership (Rod Conard)

Rod Conard reports this committee is on rest for the next few weeks.

## **12. Next Meeting**

- a. Wed, April 12, 2017, at 6:30pm
- b. Recommended Agenda items
- 5 year budget from Finance Committee

**Kim Lavallee made a motion to adjourn at 7:55 pm 2nd by Heather MacDonald**

Respectfully submitted,  
Heather Bobbitt  
Secretary