

**Tulsa Regional STEM Alliance
Meeting of the Interim Board of Directors
September 10, 2019**

A meeting of the Interim Board of Directors (“Board”) of the Tulsa Regional STEM Alliance (“TRSA”) was held commencing at 4:00 PM on the 10th day of September 2019, at the offices of TRSA, 907 South Detroit Ave., Tulsa, Oklahoma.

Present

Ms. Cherie Humphries, Chair
Ms. Susan Crenshaw, Vice Chair
Ms. Xan Black
Ms. Jacque Canady
Mr. Mark Dalton
Mr. Ken Davis
Mr. Michael DuPont
Mr. Garrison Hanning
Ms. Lucia Oberle
Ms. Tracie Poe
Ms. Carla Schaeperkoetter
Mr. Raman Singh
Mr. John Thompson
Mr. Jonathan Townsend

Absent

Mr. Jesse Boudiette
Mr. Jason Brown
Ms. Onikah Caesar
Ms. Stephanie Cameron
Mr. Nick Doctor
Dr. Kathy Dodd
Ms. Sherry Durkee
Ms. Lyn Kent
Ms. Mandy Leemhuis
Ms. Tiffany Neill
Ms. Danielle Neves
Mr. Ray Vandiver

The meeting began with a presentation from Dr. Gil Noam and Kristin Lewis-Warner presenting case study for TRSA and background for Harvard PEAR. This presentation was also shared with advisory council and staff. The case study is the purpose and funding-model for the other 84 ecosystems and TRSA and Harvard Pear can now model this to others. This was a yearlong process of data analysis and gathering. The goal is how one can synthesize data from a given city/ecosystem and use it for promotion without it becoming propaganda material. It critical to do this while providing honest feedback and evaluation for program. The origin and evolution takeaway are the number of youth and educators is projecting out to 220,000 impact by 2020.

Noam and Warner spoke about partnership typology, based on four ways partners within an ecosystem can interact. Currently TRSA operates between a collaborative system towards an interconnected system. The way to move towards a transformational system is to continue data collection to track progress over time. TRSA should ensure everyone feels included as results from interviews indicated there are groups who do not fully feel included. TRSA should also rearrange the power structure to help them become decision makers (mostly public school sector) as a connection to schools is the key step to take next.

Noam and Warner indicated that the standards on DoS - 3 is high quality on the scale. The results to note are as follows: relationships dimension is strong, STEM content learning, reflection, relevance and youth voice are low (under a 3). This is the next step to ask how to build the quality in these areas. PEAR has developed modules to increase quality in lower dimensions.

Chairman Humphries called the meeting to order. Humphries presented the minutes from the May 2019 meeting and asked for any discussion. There was a question regarding director donations and if they are calculated by calendar year. This was the only item of discussion, so Humphries asked for a motion of minutes to be approved. Crenshaw made the motion to approve the minutes as presented, Poe seconded, and the motion passed unanimously. Humphries turned the floor over to Black.

Black reported that expenses were lower than budgeted and funding is higher as some donations were higher than expected. Expenses were down due to an employee vacancy for part of the year. Black also reported that youth experience is on track to meet goal and there has been gains in Math Mentors. Math Mentors provided a 2.1 point gain over peers not in the program. The externships this year fell short with 16/20 goal and STEM Mentors is at 113/300. The ecosystem level goals are track or exceeded the goal and the revenue three-year goals are also on track.

Oberle gave an update on the progress of the development committee. Oberle said that introductions from board members on possible funders has been working well. Donations from the board in the rolling 12 months is at 100%, which means they can complete the Flint Family Foundation application. Oberle reminded the board that donations at any level are appreciated and still needed in 2019. The board reviewed a potential donor list and asked if anyone has contacts at these companies to report those to Xan and help make the introduction.

Poe gave the communications committee report and spoke about STEMtember, which is receiving sponsorships from OneOK and the OERB. They had 150 teachers attend the teacher's night, which was very successful. There are also 13 videos being finalized about the relevance of STEM and will be used on the internet and PSAs will be created for TV and radio. The committee is also working on a one-pager to replace the placement document and another one for the Harvard case study. Crenshaw asked about offering a place for donations at the family night during STEMtember and Poe indicated that there will be information present for interested parties.

Dalton reported on the work of the internal affairs committee. The strategic plan and financial audit are now complete. The insurance portfolio has been renewed. They are also continuing to work on the employee handbook and data security. Dalton reported that there is a possibility that TRSA will shift office space, remaining on the 6th floor, but change the overall layout.

Davis reported on the work of the governance committee. Votes will come up for director slots during the November meeting. Jason Brown will be unable to serve both as treasurer and on the board due to outside commitments. They are currently looking for a CPA interested in serving in that role. The committee is planning for new director onboarding during the first quarter. The committee is also working new changes for the officer bylaws and creating non-discrimination statements. Dalton asked about getting more school district representation on the board and David reported that they are working on that.

DuPont reported on the work of the programming committee. He reported that the strategic plan was approved in May and now they have setup subcommittees to work on different goals. One goal is to develop a STEM Professional Development (PD) Academy for teachers. They are

thinking about collecting standard PD information to send out to teachers and have launched an RFP for those providing PD to become partners with TRSA on this. Another goal is expanding high quality STEM experiences for students by looking at over 100 STEM programs and how those programs are designed. Then they will develop an evaluation system to determine its quality. The committee is also working on a survey for partners to gather information on the goals of TRSA and if the partners fully understand how it all works. Lastly, they are working on a STEM Scorecard for the region to determine key indicators for proficiency in STEM.

Dr. Delia Kimbrel from Impact Tulsa presented to the board, as they are a non-profit organization that works with TRSA as a partner to help them with their programs. The organization is a backbone for all 15 school districts in Tulsa County. They have three tiers of partner effectiveness: (1) building basic data infrastructure, data tracking and putting templates together, (2) data skill building by looking and measuring data, supporting processes and data building capacities, (3) advanced analytics through a partnership with Tulsa Public Schools, they have access to all data points within the district to measure outcomes through advanced and comparative analytics.

Impact Tulsa has been working over a year with TRSA to put some basic data tracking tools in place. They shared the Me and My Math Mentor data results with the board. They looked at K-5 students and economically disadvantaged and ELL students. The students in the program are doing significantly better in their math tests outcomes. The observed growth increased 14% points and found the program has a significant impact on math performance, as the historically underserved students in the program are outperforming their peers. They concluded that 2018-2019 was the most effective year thus far.

Humphries concluded the meeting by reminding the members of the next board meeting scheduled on November 19 with submission deadline on November 9.



Cherie Humphries, Board Chair

Carla Schaeperkoetter, Secretary