



**BOYS & GIRLS CLUB**  
of Fitchburg and Leominster

## Education Director's Report



### Power Hour

The Power Hour team has been working on contacting and encouraging our members' parents with a Homework contract to attend our virtual tutorials. We have been making a significant number of calls and sending emails to them with instructions to access our Google Meets room where they receive homework help with our Power Hour team. During Virtual Power Hour members can ask questions about Math, Science, and English, receiving support with their school assignments. We have been hosting our sessions from Monday to Thursday twice a day, with one session in the morning and another one in the afternoon. Another team objective is to contact school staff in the area to inform them that we are providing this service so they and their students can take advantage of it. Also, Brenda Breau constantly updates us with the latest news and decisions from schools. This keeps me up to date on the work the school district is doing with our members.

## Attendance

Before the School closings, during March the average weekly attendance was around 250 members and daily average attendance 52. We were open on Fridays, where the attendance was significantly reduced because the kids have less homework and spent time on other weekend activities. However, attendance was consistent from Monday to Thursday.

Total points of contact: 415



Our Club signed up once again for the Future City 2020-2021 competition. As expected, this time the Future City that our students need to design and plan will be outside our planet, specifically on the moon which is NASA's next goal in 2025. We will again count on Jeff Murawski's help, the engineer who supervised and collaborated with our teams last year.

The Future City Competition is a project-based learning experience where our kids imagine, research, design, and build cities of the future.

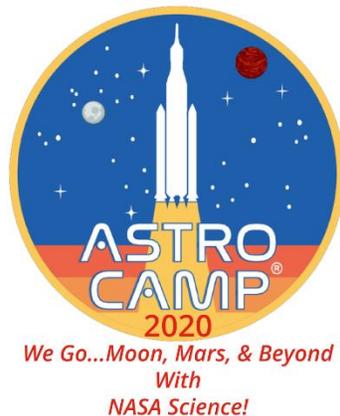


The students will learn about the engineering process including city management, project planning, budget, zoning, scale, plans interpretation, design, geometry, math, water use and treatment, and much more.

In the previous competition our kids had a very successful participation, in which they received 4 different awards including **best model**.

Buildings, power plants, water treatment, train tracks, roads, and everything that involves a functional city will be built exclusively using recycled materials, making use of their imagination and creativity. Competition is taking place on January 2021 at WPI in Worcester.

## **NASA Astro Camp 2020**



One of our Club's goals for this summer is running for the first time the SUMMER ASTRO CAMP in collaboration with **The National Aeronautics and Space Administration NASA**. It will be a unique experience for all the attendants and members. This program will provide an opportunity for our *Summer Blast* participants to have high quality NASA STEM Engagement activities designed for 2<sup>nd</sup>- 4<sup>th</sup>, 5<sup>th</sup> – 8<sup>th</sup>, and 9<sup>th</sup> - 12<sup>th</sup> graders. NASA educational content is presented through active science lessons related to NASA missions providing youth attendees and community hosts a unique NASA experience supporting STEM objectives and learning. I'm already trained in ASTRO CAMP® implementation and methodology.

ASTRO CAMP is a non-residential program that features a minimum of 10 STEM instructional hours with collaborative, project—based activities, with multiple modalities of delivery for ASTRO CAMP's NASA Mission-themed units. Camp scheduling is flexible to facility, community, and program needs such as 5 day/one- week camps, or 1 day/six-week camps. The units/modules provided have successfully accommodated a variety of implementation plans as well as afterschool settings. Each ASTRO CAMP culminates with a NASA closing program and family participation opportunities providing program data. Students work in teams selecting roles and responsibilities to complete the challenge/project. Students use the ASTRO CAMP methodology approach to team building to implement the design challenge, construct robotic rovers and drones to test, and complete challenges for submission at the end of the camp week.