

# Mega Science Olympiad Program



*Megan Melucci- Franklin Regional/SSP Liaison*

# Elementary/Middle School Science Olympiad Program

Celebrating the success of every student!



The purpose of the SSP Elementary/Middle School Science Olympiad Program is to excite, inspire, challenge, and foster the fun side of science for all elementary students of all abilities.

The EMSSOP provides information, manuals, training, and grant money for teachers and administrators to promote Science Olympiad programs in their schools or districts.

Create an Olympiad that works for you without reinventing the wheel! We are here to help!

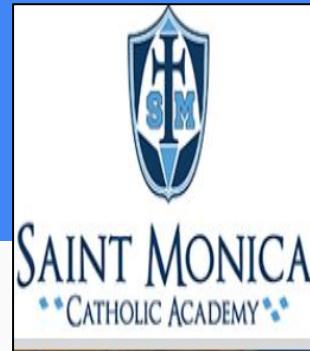
# The Team



David McCutcheon



Megan Melucci



Janet McCann

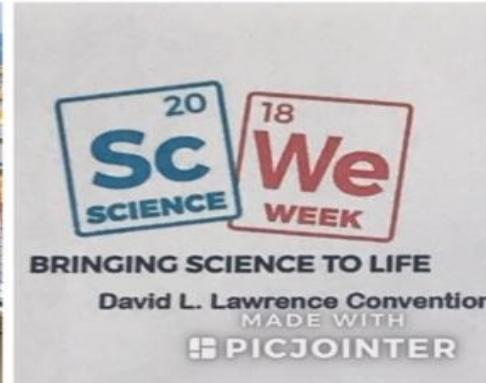


Spectroscopy Society  
of Pittsburgh

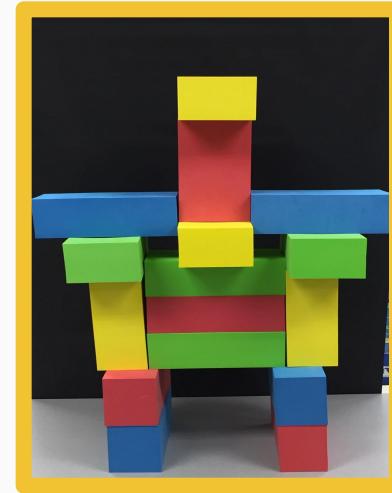
2024



# 2018



## TEAM BUILDING



Yellow Spiders, Yellow Spiders, we ARE HERE  
yellow teams, yellow spiders, let us now beat all the others.  
Spiders let's go! Spiders let's go! Spiders here we are!  
And we'll catch the awards in our web.  
Let's go! Let's go! Let's go yellow spiders!

TEAMWORK  
RESPONSIBLE  
NICE SURPRISING  
SUPPORTING  
SAFE  
FRIENDLY  
CARING  
AWESOME  
RESPECTING  
KIND  
WORKING  
SMART  
HARD

# The Model

Teams move together from station to station. All team members participate as mini-teams once they are in the station area. The highest score from the mini team for each station becomes the teams' score for that station. In setting up in this capacity, the team is unified, praising each other because if the high score is entered as the teams' score all members of the team benefit from the high score of a mini team.

# Rotation

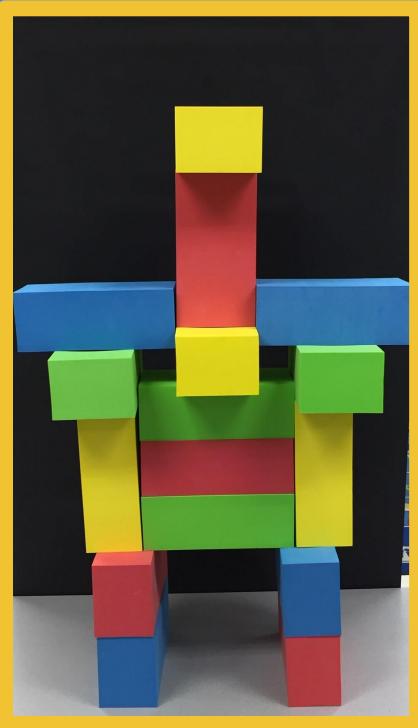
# Integrating the 5C's Through a Science Olympiad

## 4th Grade MEGA Science Olympiad

All 4th graders participated in a day of rotating science stations where they had to use all of the 5 C's. They completed the following stations: Brain Builders, Picture This, Clay Boats, Scientist Match, Straw Tower, Science in the Sun, Math Mania, Makey Makey, Catapults, Owl Pellets, Book Bridge, Aerodynamics, Pentathlon, and Egg Drop.



# Digital Applications



# Why we integrate some level of digital application in our stations

**Digital Citizenship:**  
the practice of navigating the digital world safely, responsibly, and respectfully

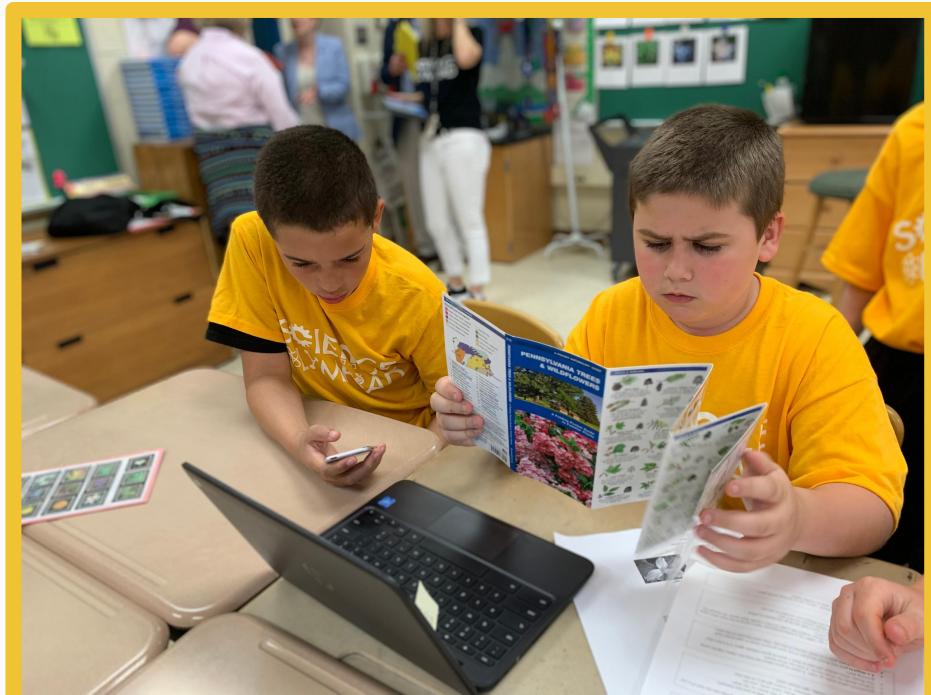
WOA-4 Mega Science Olympiad Stations

9:00am	Student Arrival Log on
9:05am	Opening Ceremonies
Break until 10:20	BREAK
10:20am - 10:40am	Science in the Sun*
10:45am - 11:05am	Mapping
11:10am - 11:30am	Math Mania
11:35am - 11:55am	Picture This*
12:00pm - 12:30pm	SPECIAL TECH.
12:30pm - 1:00pm	LUNCH
1:05pm - 1:25pm	Book Bridge (have books ready)
1:30pm - 1:50pm	Aerodynamics (gave paper and tape measure ready)
1:55pm - 2:15pm	Hangman Science
2:20pm-2:40pm	Scientist Match
2:45pm Log off	Asynchronous complete Google   <input checked="" type="checkbox"/> Survey rating your team on the 5Cs and your overall experience. Awards announced Friday!

\*Competing against brick and mortar all others competing against mini teams within our group.

# iTouch Science

# Mapping



# Collaboration in Problem Solving



# Math Mania



# Block Party



# Pentathlon with Digital Applications



# Google Classroom

Google Classroom



ESSOP

2017-2018

0 students



BLOCK PARTY SCIEN...

Science, Technology, Engineering, Art,...

0 students



SCIENCE OLYMPIAD ...

ALL SCORES INCLUDING TEAM SPIRIT

0 students



AERODYNAMICS

Engineering and Physics

0 students



WILDFLOWERS

Science, Technology, Research, Art, a...

0 students



PENTATHLON SCIEN...

Science, Technology, and Athletics

0 students



# Digitized Stations with Google Forms



## Science in the Sun Wildflowers

Use Chromebooks, I-pod Touches, or reading references to complete this form as a team and submit! Good luck!

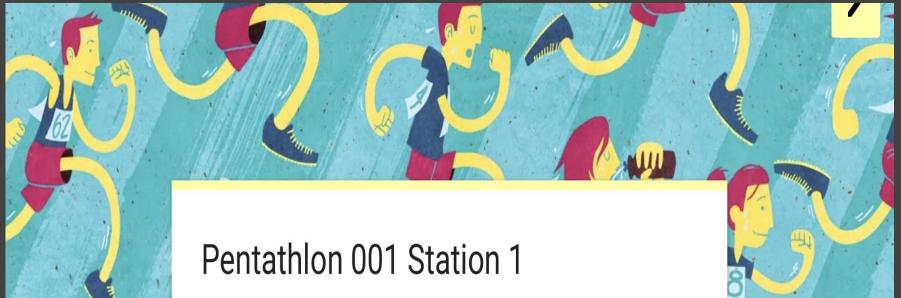
Your email address ([mmelucci@franklinregional.k12.pa.us](mailto:mmelucci@franklinregional.k12.pa.us)) will be recorded when you submit this form. Not you? [Switch account](#)

\* Required

**Team: purple \***

Your answer

1. Which wildflower was named for its foul odor? \* 1 point



## Pentathlon 001 Station 1

Your email address ([mmelucci@franklinregional.k12.pa.us](mailto:mmelucci@franklinregional.k12.pa.us)) will be recorded when you submit this form. Not you? [Switch account](#)

\* Required

1. How many planets are there in the solar system? \* 1 point

6

8

9

Infinity

2. To complete a circuit you must have \* 1 point

a battery, a bulb, and a calculator

a bulb, a battery and a phone

# Results

3:45 PM Fri Nov 15

docs.google.com

Final S... Classwork... Theme TEST Untitled fo... Module 1... I...

TEAM RED TEAM PINK TEAM BLUE TEAM GRAY  
← Science Olympiad Final Sco TEAM PURPLE TEAM MAROON TEAM GOLD TEAM BLUE  
SCIENCE OLYMPIAD SCIENCE OLYMPIAD SCIENCE OLYMPIAD SCIENCE OLYMPIAD

SEND

QUESTIONS RESPONSES Total points: 0

## Science Olympiad Final Scores

No scores of any kind are to be shared with student participants or Parent Team Leaders. Only Station Directors and 4th Grade Teachers are to be privy to this information. Please transfer your scores from the scorecard to this Google Form in order for us to be able to tabulate our winners quickly.  
MANY THANKS FOR YOUR SUPPORT TODAY!

Event: \*

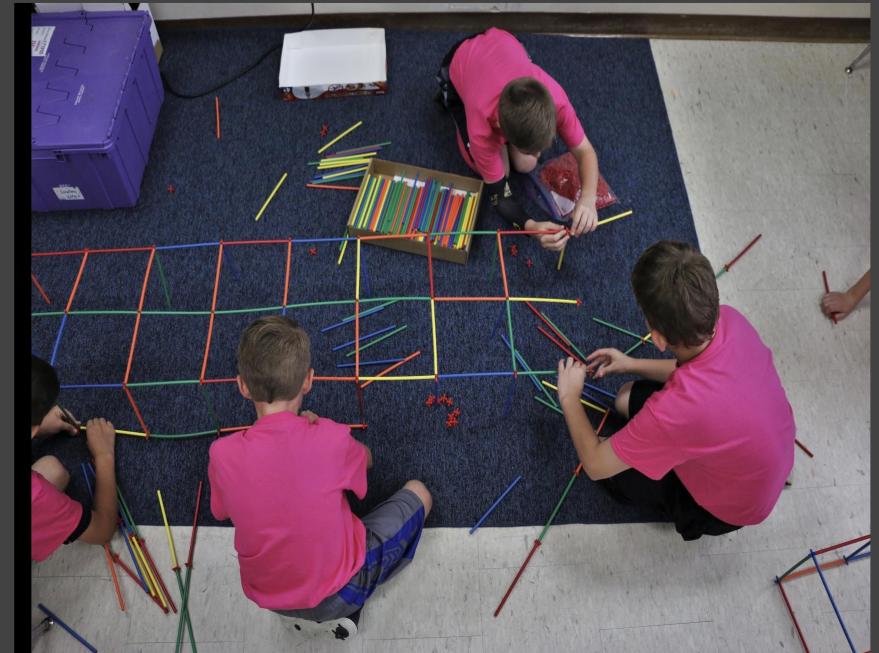
- Pentathlon
- Mapping
- Block Party
- Straw Tower



# Aerodynamics

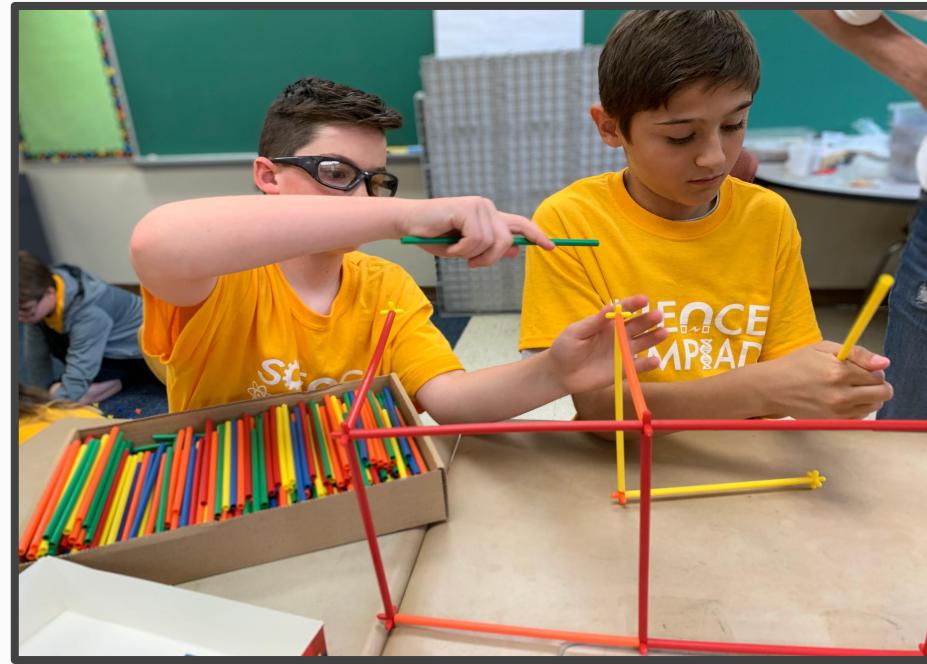


# Bridge Building



# Pasta Bridge

# Egg Drop



# Planning



Dates

Aligning stations with  
curriculum

Schedules

Volunteers

Communication

Timeline



# Franklin Regional Intermediate Mega Science Olympiad Team Leaders

## WE THANK YOU!

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*Did you know our most coveted of all of our awards is the **TEAM SPIRIT AWARD**? Please encourage your team! Wear team colors! We are looking for students to exemplify the 5Cs all day long. (See attached rubric)*



## Team Leader Quick Tips for the Day

- Please arrive at the FRIS by 8:15. Park in the front of the building, check in with Mrs. Hauenstein to get your name tag, and report to C107 with Mrs. Melucci.
- C107 for your schedule and general expectations for the day
- Next, you will report to the gym with your team sign on the bleachers. Your team will join you there.
- Take attendance of your team
- Lunch 10:50-11:40 pizza, chips, and water in the cafeteria
- Stations after lunch begin promptly at 11:45.
- You are asked to be positioned outside the classroom of your next station with your team sign. (Attendance)
- Stations end at 2:55. If you are taking your child home sign out with the homeroom teacher by 3:05

# Getting ready for the big day!

Make it your own, but don't  
reinvent the wheel!

[Lunch Orders](#)

FRANKLIN REGIONAL MEGA SCIENCE OLYMPIAD

# Science in the Sun



*Exploring the World of Science*

# Timeline

## *Planning*

Organize materials for next year.

EOY Slide show

Parent volunteer  
letter

Contact PTO and  
set budget

Organize stations

Jan      Feb      Mar      Apr      May      Jun      Jul      Aug      Sept      Oct      Nov      Dec

Student  
groups

SO  
Dec. 5

# Helpful planning tools

## *Exploring the World of Science*

### We need you!!!!

Parental support is the key to success for a Science Olympiad!

Parent volunteer forms will be distributed on 2/6/2017!

Please consider volunteering as a:

- ❖ Team Leader – managing a team for the entire day
- ❖ Station Director – leading one of the Olympiad Stations

\*Lunch will be provided by the Spectroscopy Society of Pittsburgh\*

You could also volunteer to assist the teachers with the preparation of folders, badges, or ordering/sorting supplies.

Please submit your volunteer form by 2/17/17.

\*Please note that you must have all 3 clearances on file in the office to volunteer for the Science Olympiad.

#### OLYMPIAD FACTS:

- ❖ The Franklin Regional Elementary Science Campus Olympiad is 1 of 3 showcase schools in the state of PA.

## Science Olympiad Pledge

I pledge to put forth my best effort in the Science Olympiad Tournament

And to uphold the principles of honest competition.

In my events, I will compete with integrity, respect, and sportsmanship towards my fellow competitors.

I will display courtesy towards event supervisors and tournament personnel.

My actions will exemplify the proud spirit of my school, team and state.



# 2019 Olympiad vs 2024 Olympiad

9:55-10:00	Volunteer Check In & Training									
10:00-10:15	Opening Ceremonies - Gym									
Time	Team Blue	Team Green	Team Gold	Team Gray	Team Maroon	Team Light Blue	Team Purple	Team Pink	Team Orange	Team Red
10:15-10:30	25 Picture This	Gym Penetration	Gym Aero Dynamics	23 Straw Tower	226 Mapping	227 Pasta Bridge	222 Science in the Sun	220 Egg Drop	28 Book Party	24 Math Mania
10:30-10:45	24 Math Mania	25 Picture This	Gym Penetration	Gym Aero Dynamics	23 Straw Tower	226 Mapping	227 Pasta Bridge	222 Science in the Sun	220 Egg Drop	28 Book Party
10:45-11:00	28 Book Party	24 Math Mania	25 Picture This	Gym Penetration	Gym Aero Dynamics	23 Straw Tower	226 Mapping	227 Pasta Bridge	222 Science in the Sun	220 Egg Drop
11:00-11:15	220 Egg Drop	28 Book Party	24 Math Mania	25 Picture This	Gym Penetration	Gym Aero Dynamics	23 Straw Tower	226 Mapping	227 Pasta Bridge	222 Science in the Sun
11:15-11:30	222 Science in the Sun	220 Egg Drop	28 Book Party	24 Math Mania	25 Picture This	Gym Penetration	Gym Aero Dynamics	23 Straw Tower	226 Mapping	227 Pasta Bridge
11:30-11:45	227 Pasta Bridge	222 Science in the Sun	220 Egg Drop	28 Book Party	24 Math Mania	25 Picture This	Gym Penetration	Gym Aero Dynamics	23 Straw Tower	226 Mapping
11:45-12:00	226 Mapping	227 Pasta Bridge	222 Science in the Sun	220 Egg Drop	28 Book Party	24 Math Mania	25 Picture This	Gym Penetration	Gym Aero Dynamics	23 Straw Tower
12:00-12:15	23 Straw Tower	226 Mapping	227 Pasta Bridge	222 Science in the Sun	220 Egg Drop	28 Book Party	24 Math Mania	25 Picture This	Gym Penetration	Gym Aero Dynamics
12:15-12:30	Gym Penetration	23 Straw Tower	226 Mapping	227 Pasta Bridge	222 Science in the Sun	220 Egg Drop	28 Book Party	24 Math Mania	25 Picture This	Gym Penetration
12:30-12:45	Gym Penetration	Gym Aero Dynamics	23 Straw Tower	226 Mapping	227 Pasta Bridge	222 Science in the Sun	220 Egg Drop	28 Book Party	24 Math Mania	25 Picture This
12:45-12:55	Recess/Lunch									
12:55-1:25	FRobotics - Gym									
1:25-2:45	Awards Ceremony - Gym									

Time	Team Orange	Team Pink	Team Gold	Team Maroon	Team Blue	Team Lt. Blue	Team Gray	Team Purple	Team Lime	Team Teal	Team Navy	Team Red	Team Graphite	Team Green
9:30-9:50	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117	Catapults 119	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114	Scientist Match 112	Picture This 105	Brain Builders 104	Egg Drop A117
9:50-10:10	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117	Catapults 119	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114	Scientist Match 112	Picture This 105	Brain Builders 104
10:10-10:30	Brain Builders 104	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117	Catapults 119	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114	Scientist Match 112	Picture This 105
10:30-10:50	Picture This 105	Brain Builders 104	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117	Catapults 119	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114	Scientist Match 112
10:50-11:30 LUNCH														
11:35-11:55	Scientist Match 112	Picture This 105	Brain Builders 104	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117	Catapults 119	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114
11:55-12:15	Clay Boats 114	Scientist Match 112	Picture This 105	Brain Builders 104	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114
12:15-12:35	Straw Tower 116	Clay Boats 114	Scientist Match 112	Picture This 105	Brain Builders 104	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116
12:35-12:55	Science in the Sun 120	Straw Tower 116	Clay Boats 114	Scientist Match 112	Picture This 105	Brain Builders 104	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117	Makey Makey 121	Math Mania 122	Science in the Sun 120
12:55-1:15	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114	Scientist Match 112	Picture This 105	Brain Builders 104	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117	Makey Makey 121	Math Mania 122
1:15-1:35	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114	Scientist Match 112	Picture This 105	Brain Builders 104	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117	Makey Makey 121
1:35-1:55	Catapults 119	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114	Scientist Match 112	Picture This 105	Brain Builders 104	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117
1:55-2:15	Owl Pellets 117	Catapults 119	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114	Scientist Match 112	Picture This 105	Brain Builders 104	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102	Book Bridge 115
2:15-2:35	Book Bridge 115	Owl Pellets 117	Catapults 119	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114	Scientist Match 112	Picture This 105	Brain Builders 104	Egg Drop A117	Pentathlon B101	Aero Dynamics 101/102
2:35-2:55	Aero Dynamics 101/102	Book Bridge 115	Owl Pellets 117	Catapults 119	Makey Makey 121	Math Mania 122	Science in the Sun 120	Straw Tower 116	Clay Boats 114	Scientist Match 112	Picture This 105	Brain Builders 104	Egg Drop A117	Pentathlon B101

10 stations to 14 stations; half day to full day



## *Team Spirit Codes*

1. Cooperative
2. Follows Directions
3. Displays Enthusiasm
4. Task Persistence
5. Active Participants
6. Uncooperative
7. Difficulty Following Directions
8. Team does not actively participate
9. Inattentive
10. Team does not clean up

No scores of any kind are to be shared with student participants or team leaders. Only Station Directors and 4th grade teachers are to be privy to this information.

**PLEASE TRANSFER THESE SCORES INTO THE GOOGLE FORM AT THE CONCLUSION OF THE DAY.**

Franklin Regional Intermediate School - Science Olympiad

**Science in the Sun Scoring Sheet**

Directions:

- Please use this form to record the scores for both the identification of wildflowers and the additional challenge questions.
- Record each "mini-team's" scores in the space provided, however please circle the highest score for each team color.
- Use a separate form for each team.

TEAM: \_\_\_\_\_

Wildflower Identification (score out of 14 points)		Challenge (score out of 2 points)
Mini Team 1		
Mini Team 2		
Mini Team 3		
Mini Team 4		

CIRCLE THE HIGHEST SCORE!

# Amazing things happen!



# Success!



# Evaluations Survey

FRANKLIN REGIONAL MEGA SCIENCE OLYMPIAD

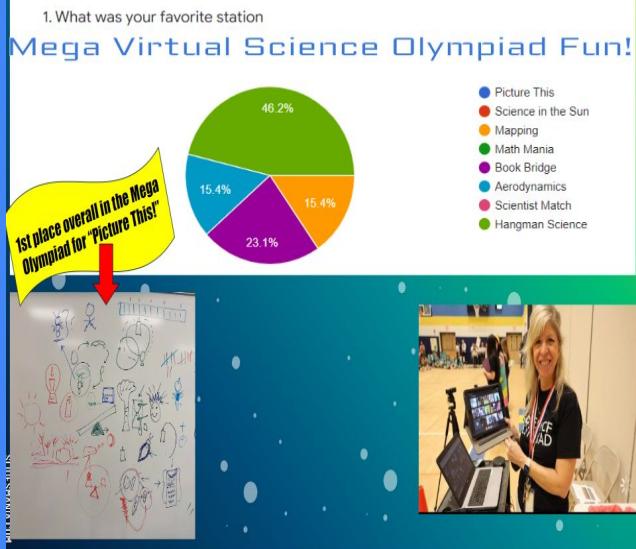
**Team Orange**



*Exploring the World of Science*

# Support Model

We are here to support you!



SSP

YOU

TEAM

# From past Olympiads

[MegaOlympiad Video](#)

Support is everything!





**Megan Melucci-  
SACP  
Exec. Committee  
SSP Member**



*Dedicated to Furthering  
Science Education*



**ChemistryOutreach.org**  
**[melucci@pittcon.org](mailto:melucci@pittcon.org)**