

STEM Team Meeting Notes

Attending

Dr. Brian Botts, Principal
Kelly Buck, Science Teacher
Melanie Clinton, Science Teacher
Joseph Duda, Math Teacher
Mitch Vitale, Math Teacher
Joshua Frye, Research Teacher
Lance Schreiber, Technology Teacher

Announcements

- STEM Tour- Date and ideas for theme
- STEM Endorsement for Accreditation
- Math Crabby Day

Discussion

STEM Tour- This year, we will again be participating in the STEM Tour with our own STEM Challenge. The date for the school's STEM challenge is currently set for March 12th. Utilizing our new partnership with Soaring Sky (a company focused on drone technology), we are currently working towards a theme involving drone technology. More thought into how to involve students at different grade levels and keep the competition engaging but equitable is required. Because we are unable to fly here at the school, the idea of possibly splitting up the day and providing mini-events here at the school and a drone race off campus was discussed.

Overall, the consensus of the group is currently leaning toward expanding the theme of the event to include multiple forms of aviation/aeronautics, and have smaller stations at the school like in previous years, where students will complete tasks requiring knowledge of various form of flight. A drone race later that day may still be done, and we will either incorporate it into our competition for older students, or simply endorse and "hype up" the race off campus.

Math Day- Will be during the second quarter; content and details still to come.

AdvancED STEM Endorsement- The school will already be undergoing its external review this year, but there is now an additional STEM endorsement that may also be earned. The STEM endorsement process is much like the traditional external review; a team of two reviewers trained specifically in the STEM Standard and indicators will visit the school, interview students, teachers, administration, etc., as well as observe our classes. To prepare for this visit, it is our responsibility as the STEM team to review the standard and indicators for the STEM endorsement and prepare any evidence for the reviewing team's visit. The process of collecting evidence has already begun, and will continue until the team's visit in late fall/early winter. Teachers are encouraged to complete their Scope & Sequence to allow for clarity in all courses and to easily identify instances where examples of evidence are being created.