Welcome and New Board Members
- Zoom icebreaker: What was the best professional development you have attended and what made it great?
- Attendance
    o Kelly Bergman
    o Mary Olson
    o Jared Brown
    o Lindsey Falk
    o Matt Stephan
    o Sarah Rosenblum
    o Kay Schmalen
    o Mike Pedersen
    o Tanya Hunt
    o Teresa Green
    o Yen Verhoeven
- Absent
    o Ashley Flatebo
    o Allyson Krull
    o Sara Nelson
    o Todd Oesterle
    o Kathy Rogotzke
    o David Zrostlik

STEM Events and Ideas to Share
- Information on STEM efforts you are working on or are scheduled in your community
    o Yen
        ▪ We have 25 teachers in the fierce and fearless program!
        ▪ Meet virtually first three Tuesdays every month for class. They might be interested in resources other board members have. You are welcome to come!
        ▪ In October we are having a free for all virtual class on a Saturday morning helping make learning hands-on no matter where the students are (virtual or in class room)
        ▪ Science in the City is looking for businesses to partner with them on their projects. Objective is to make STEM for everyone. Driven by the students! Students present to other middle school students.
    o Sarah
        ▪ Partnered recently with Emmerson for a rocket launching program
        ▪ Success with outside programing
    o Jared
        ▪ We have live experiments and presentations "What is Bio Diesel" in schools.

STEM BEST Update
- Tanya Hunt

- STEM BEST has 80 programs statewide. It is a competitive award; schools need to apply for. Goal is to provide student experiences that introduce them to meaningful opportunities to apply what they are learning to career application. It is about building a culture in your community to partner in practical education that empowers students to be career ready employees for Iowa. Schools can reapply by expanding their program. More information https://iowastem.org/STEMBEST
- Hope to devote another meeting to plan strategically how to get more schools in the North Central Area to apply for the program.

North Central STEM Updates
- Summer Scale-Up PD
  - Wrapping up in the next couple weeks
  - Central to our work. Getting high quality materials and professional development to our educators
  - Organized 78 professional development dates.
  - Pictures and stories from
    - Teaching Energy Transformations and Energy Sources
    - Soapy Cilantro
    - Light and shadow
    - Ioponics
- Festivals
  - FY21 Events
    - About 1500 youth impacted
      - La Luz Centro Cultural Family STEM Bags
      - Fort Dodge STEAM Activity Kits
      - Marshall County STEM Activity Kits
      - Virtual Family Math Mashup
        - 1160 Registrants (about 400 families)
        - Upper elementary all the way up to High School
        - 437 views
        - Videos are on the North Central STEM Region YouTube page. You are welcome to use the videos
    - Virtual Aviation Festival
    - Checkout STEM Backpacks
      - Provided 9 libraries with backpacks with the Checkout STEM curriculum
  - FY22 Festivals
    - Festivals on hold: NIACC, Boone, Greene County, Fort Doge
    - Virtual STEM Career Event
    - Osage Green Devils STEM Camp
      - Weeklong STEM Camp based on Sphero Community Festival
      - Next year we will have more people to lead the students

- STEM Scale-Up Program Provider RFP
  - Request for providers has been released.

- o Please share out the opportunity with organizations who might have good ideas for a professional development
  - o It is a new thing for us to do it in house. We need volunteers to help review the programs.
- STEM Teacher Award
- Financials
  - o Posted on the website. Feel free to check it out and let Kelly know if you have questions.
- Opportunities for Board Members
  - o Check PowerPoint slides for details.
  - o Try to go to the Summit! It will be awesome! Pass it along to educators. It is free!

Discussion
- Computer Science Event Brainstorm
  - o We have had a request to hold a computer science event Dec. 6-11
  - o Computer science month is in December
  - o Goal is to highlight computer science careers and showcase what is going on in the schools around computer science.
  - o What is the first thing that comes to your mind?
    - The VR Computer Lab in the Middle School at AMS
    - Something in the classroom highlighting a computer science scale up. Bring in community partners
    - Bring the students to the business or have students do Q&A wth a business
    - Do businesses have ideas about projects to do with students?
    - Daily Trivia- related to the common and little known ways computer science enriches our lives.
    - Computer science challenge?
    - Different teams solve a problem using computer science
    - Mettavurse Studying AI
    - Tying in Ready Player One?
    - Kids love virtual games. Try to tie in the science and STEM behind gaming?
      - Mindcraft completion?
      - Connect computer science to something they are already passionate about it?
      - Keynote speaker from a Fortnight designer?
    - Something around precision agriculture? Ag Leader from Ames
    - Mike Wright
    - Tie in with Health or Space Travel
    - Art? New Van Gogh exhibit. Iowa State University has programmable fabric maker
    - Yoga Gear that is your Yoga Trainer

Calendar Reminders
- FY22 Board Meeting Calendar

- September 24, TBS
- October 29, TBA
- November 30, TBA
- Jan 21, 12-2pm (reviewing Scale-Up proposals)
- March 25, 12-2pm
- May 20, 12-2pm
- Action Items
  - Promote IOWA STEM Teacher Award – Aug 23
  - Nominate school, class or business partner for Dec 6-11 event
  - Connect us to your Sphere
    - Invite us to podiums roundtables, meetings receptions