

### MESA GUIDE TO PLANNING THE YEAR

- Clubs need to have 20 Registered Students
- 15 Student Meetings
- 1Leadership Activity
- 1 Non-MESA STEM Competition
- 1 Parent Meeting
- 1 Service Learning
- 3 Workshops, Speaker or Field-trip activities

# Planning a Program

- Use Zoom, Webinars, Google Meets, and/or other virtual platforms, etc.
- Create a MESA classroom/club
- Set up a time & date to meet
- Invite students to join
  - Need help recruiting- ask you Science or Math teachers to send out messaged in their classrooms
  - Ask your RC for recruitment tools
- Time to meet!

# VIRTUAL MEETINGS

Everyone has a different method of having a MESA meeting. Some have lunch, afterschool or class formats. But regardless of your

# Business • Attendance

- Minutes
- Prior meetings
- New Business
- Upcoming events

- choose 1~
  Activity
  Guest speaker
  MESA Day/MESA
- ATime Now

### ITEMS TO COVER IN YOUR MEETINGS

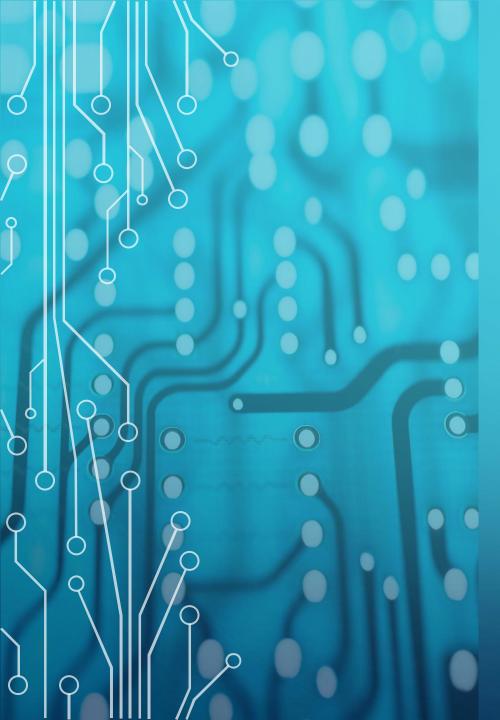
- Engineering Process
- Types of Engineering

  - QuizPowerpoint presentations
- Introduction to Coding
  - Code.org
- Keeping a Science Journal
  - Science Journal by Google

- Arduino (yes I said Arduino) or new microbit & Circuit playground
  - Elegoo lessons are self paced!
  - Virtual simulators available
- Non MESA Competitions
  - BEST, Innoventure, Science Olympiad
  - Design a MESA Mask, Bridges or cars with household items!

### **EXAMPLES OF PROGRAMS**

- Clubs & Classes
  - Meet once a week or every other week
  - Drive by pick ups
  - Create Facebook page
  - Create Remind code and send messages
  - Work through lessons either all virtual or activity box
  - Grab & go and packages are all online
  - Scavenger hunt activities
  - Use recordings as in-between lesson activities
  - Student presentations
  - Utilize mailings (check with RC)
  - Utilizing online forms
  - Establish online fundraising & service learning



## Don't forget!

- Use your officers to delegate work!
  - Have the President/secretary create agenda/keep attendance, etc!
- Call your RC's!
- Statewide STEM Series takes care of your
   Workshop/Speaker & Field trip requirements
- Lots of resources available on our website!
- You all are AMAZING!!!

### Resource Page

- MESA Handbook
  - https://www.nmmesa.org/wp-content/uploads/2019/10/NM-MESA-Advisor-Handbook-SY20-21-FINAL.pdf
- Engineering Process
  - <a href="https://www.sciencebuddies.org/science-fair-projects/engineering-design-process-steps">https://www.sciencebuddies.org/science-fair-projects/engineering-design-process-steps</a>
- Science Journal by Google
  - https://sciencejournal.withgoogle.com/
- Intro to coding
  - www.code.org
- Types of Engineering & Careers
  - <a href="https://www.sciencebuddies.org/science-engineering-careers#engineering">https://www.sciencebuddies.org/science-engineering-careers#engineering</a>
  - <a href="https://www.lockheedmartin.com/en-us/news/features/2017/engineer-quiz-eweek.html">https://www.lockheedmartin.com/en-us/news/features/2017/engineer-quiz-eweek.html</a>
- Microprocessor lessons
  - Arduino <a href="https://www.elegoo.com/download/">https://www.elegoo.com/download/</a>
  - https://makecode.microbit.org/
  - https://www.nmmesa.org/event/nm-mesa-usa-microprocessor-trainings/