

The background is a vibrant blue with a subtle, repeating pattern of circuit board traces and circular nodes. In the center, a black rounded rectangle contains white text. The text is arranged in three lines: a large title, a subtitle, and a question.

ADAPTING YOUR MESA PROGRAM

SO NOW IT'S VIRTUAL!! NOW WHAT DO I DO?!

A decorative background on the left side of the slide featuring a stylized circuit board pattern with white lines and nodes on a teal gradient background.

MESA GUIDE TO PLANNING THE YEAR

- Clubs need to have 20 Registered Students
- 15 Student Meetings
- 1 Leadership 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 format each meeting should have these 3 components.

Business

- Attendance
- Minutes
- Prior meetings details
- New Business
- Upcoming events

Education (STEM)

~ choose 1 ~

- Activity
- Guest speaker
- MESA Day/MESA USA
- MESA Time Now What?
- Team building/leadership
- Pre/Post activities for fieldtrip
- www.nmmesa.org - resources

Planning 4 future meetings

- Sign up for upcoming events
- Permission slips
- Team meetings
- Work on upcoming activities (ex. MESA Day, Service Learning Project, competitions,

ITEMS TO COVER IN YOUR MEETINGS

- Engineering Process
- Types of Engineering
 - Quiz
 - Powerpoint 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 Competitons
 - 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
 - <https://www.sciencebuddies.org/science-fair-projects/engineering-design-process/engineering-design-process-steps>
- Science Journal by Google
 - <https://sciencejournal.withgoogle.com/>
- Intro to coding
 - www.code.org
- Types of Engineering & Careers
 - <https://www.sciencebuddies.org/science-engineering-careers#engineering>
 - <https://www.lockheedmartin.com/en-us/news/features/2017/engineer-quiz-eweek.html>
- Microprocessor lessons
 - Arduino <https://www.elegoo.com/download/>
 - <https://makecode.microbit.org/>
 - <https://www.nmmesa.org/event/nm-mesa-usa-microprocessor-trainings/>