STEM AVSED

Aviation & Space Education



I Can Fix That!





AMT Skills: Willingness to Learn



New technology is constantly emerging and Aviation Maintenance Technicians (AMTs) are always learning about what is new.

AMT Skills: Attention to Detail



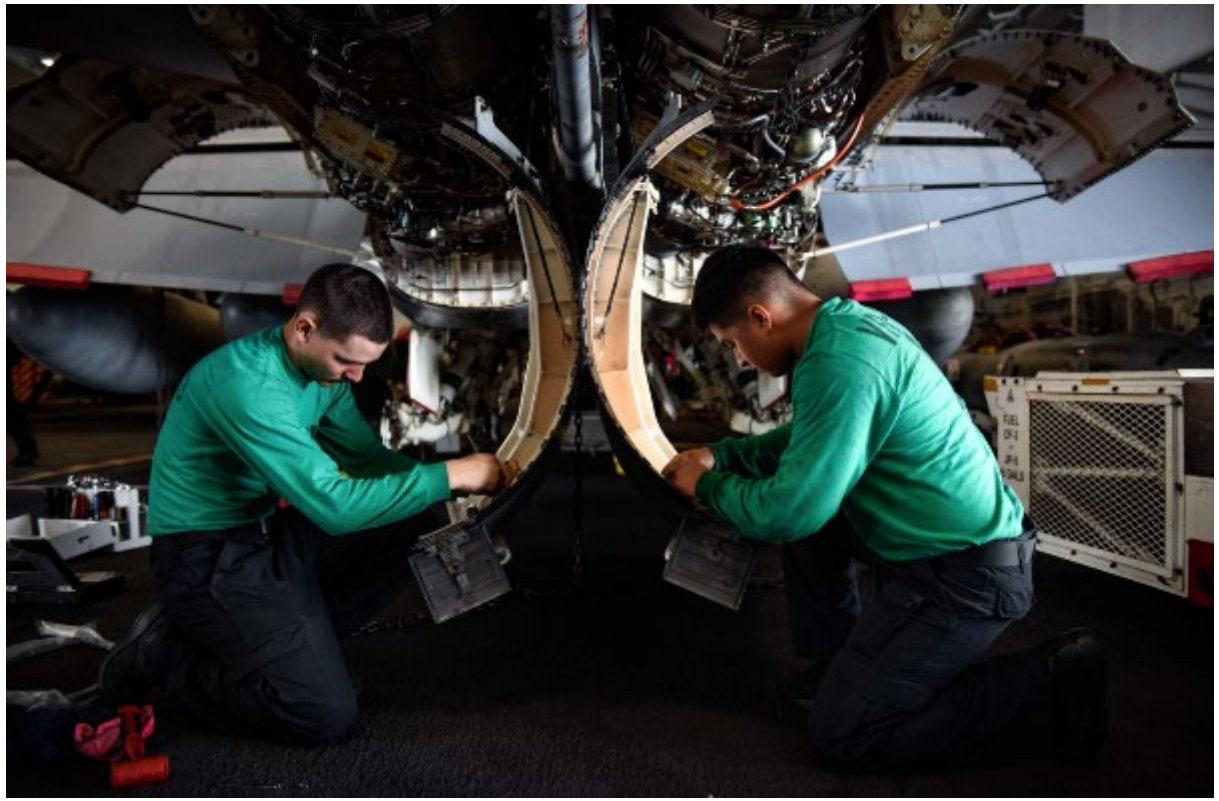
AMTs must pay attention to every detail. They look for signs of weakness, like cracks in parts.

AMT Skills: Teamwork



Being an AMT means being part of a team!

AMT Skills: Communication



One of the most important skills in aviation maintenance is communication.

AMT Skills: Reliability



Knowing that an AMT is on time and can do the work in a reliable manner makes a huge difference.

AMT Skills: Competence



The AMT field is all about hands-on competence to ensure that aircraft are maintained, inspected, and repaired correctly.

Tools of the Trade: Speed Handle



Aircraft have many service panels secured by several screws or bolts. A **speed handle** is a very long screwdriver with the middle of its shaft offset or bent.

Tools of the Trade: Torque Wrench



A **torque wrench** is used to reliably tighten a screw, nut, or bolt to the correct torque.

Tools of the Trade: Safety Glasses

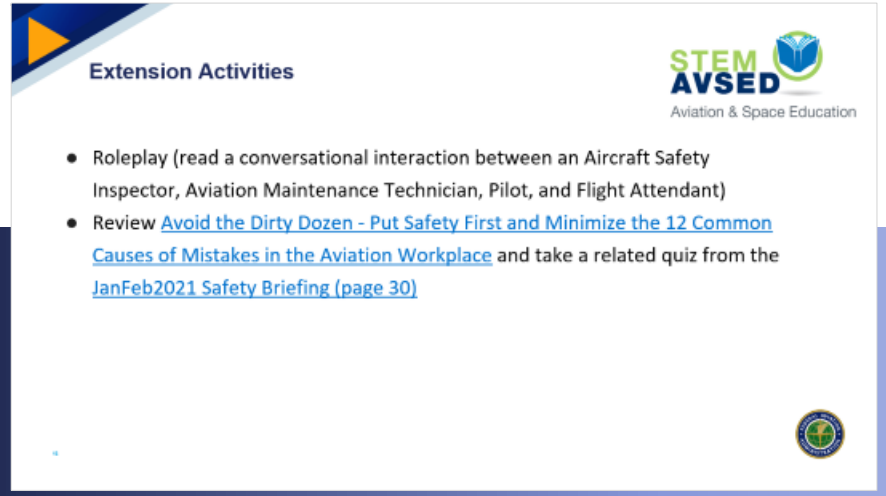


Safety glasses are protective eyewear that enclose or protect the area surrounding the eye to prevent things from striking the eyes.

Continue Learning

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SPARK Sheet

Extension Activities

www.faa.gov/education/

Extension Activities

- Roleplay (read a conversational interaction between an Aircraft Safety Inspector, Aviation Maintenance Technician, Pilot, and Flight Attendant)
- Review Avoid the Dirty Dozen - Put Safety First and Minimize the 12 Common Causes of Mistakes in the Aviation Workplace and take a related quiz from the JanFeb2021 Safety Briefing (page 30)