DEPARTMENT OF DEFENSE
SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS
DoD STEM
DoD STEM Vision
A diverse and sustainable STEM talent pool ready to serve our Nation and extend the DoD’s competitive edge.

DoD STEM Mission
Inspire, cultivate, and develop exceptional STEM talent through a continuum of opportunities to enrich our current and future DoD workforce poised to tackle evolving defense technological challenges.
What encompasses DoD STEM?

DoD STEM is inclusive of Department-wide efforts that aim to inspire, cultivate, and develop a diverse and exceptional STEM talent through a continuum of meaningful STEM learning opportunities across the Pre-K-Postdoc continuum.

The National Defense Education Program (NDEP) is one of the largest STEM efforts in the Department.
# Who Engages with DoD STEM

The Department of Defense has long supported STEM education and outreach activities throughout the nation.

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National Defense Education Program (NDEP)

NDEP is part of the broader Department-wide effort under DoD STEM, which works collectively with partners from academia, industry, not-for-profit organizations, and leverages DoD components, defense laboratory enterprise and other government entities to:

- **Build strong foundations in STEM literacy**
- **Increase diversity, equity, and inclusion in STEM**
- **Prepare the STEM workforce of the future**

NDEP programs include:

- SMART Scholarship-for-Service Program
- PreK-16 STEM Education & Outreach; Defense STEM Education Consortium (DSEC)
- NDEP grants (intramural and extramural)
SMART Program Overview

- SMART funds scholarships across 24 STEM disciplines critical to national security and serves as a workforce development program for the DoD
  - Increases the flow of new, highly skilled technical labor into the DoD
  - Enhances the technical skills of the current civilian workforce
- Awards can be made to students pursuing a BS, MS, or PhD in a STEM discipline
- Scholars serve a 1-for-1 Civilian employment commitment at a DoD lab or facility upon graduation
Participate in DoD STEM

dodstem.us/participate/opportunities
Established in 1989 by the direction of Congress, under the direction of Office of Secretary of Defense (OSD), the Air Force Research Laboratory (AFRL)/United States Space Force (USSF), Army Research Office (ARO), and Office of Naval Research (ONR) award three-year fellowships to US citizens receiving doctorates in research discipline areas of DoD relevance at US institutions.

• NDSEG Program:
  - Maintains U.S. leadership in S&T relevant to the DoD
  - Builds the DoD and DIB S&E future pipeline
  - Champions grad student ideas in “high risk, high reward” research
  - Develops & sustains partnerships with top US scientific labs

• Three-Year Fellowship provides:
  - Full tuition/fees, $3,600 monthly stipends, up to $1,600 health insurance
  - $5,000 professional development travel and up to $1,500 non travel budgets
  - NDSEG Fellows conference
  - DoD mentor to familiarize fellows with DoD S&T ecosystem
  - No service commitment required

Over 4,700 fellowships have been awarded from over 70,000 applications