

STEM WORKFORCE CRISIS

- 24th, 38th** U.S. LAGS IN STEM LITERACY. U.S. 15 year old students ranking in science and math among 71 countries.
- 30th** U.S. RANKING OUT OF 35 OECD COUNTRIES IN ENGINEERING AS PERCENTAGE DEGREES AWARDED.
- 14,000** BOEING EMPLOYEES APPROACHING RETIREMENT (>AGE 61). Expected to take 10-20 years to fully restaff.
- 225,000** U.S. SPACE SCIENCE, ENGINEERING, AND TECHNICIAN JOB OPENINGS PREDICTED BY 2026. Including 8,600 scientists and 172,000 engineers.

SPACE GRANT PARTICIPANTS

- >1,000** AFFILIATES and COLLABORATORS
- 50** – in all – STATES plus DC and PR
- Universities, community colleges, NASA field centers, industry, museums, and agencies FY17

SPACE GRANT STUDENTS

- >5,300** COLLEGE STUDENTS received Space Grant funding, including >1,000 community college students
- 83%** of Space Grant COLLEGE STUDENTS remain in STEM fields FY17

ENGAGEMENT WITH NASA

- 615** Total Space Grant Consortium Programs with NASA Entities
- 70%** Involved Mission Directorates
- 21%** Involved Centers and Facilities
- 9%** Involved Office of STEM Engagement FY17

DIVERSITY

- 29%** UNDERREPRESENTED PARTICIPANTS
- 40%** FEMALE PARTICIPANTS FY17

FOR EACH NASA DOLLAR

- >\$1** Contributed from Non-federal Sources FY17

OUTREACH

- >43,000** EDUCATORS ENGAGED
- >720,000** PRECOLLEGE STUDENTS REACHED FY17

EXAMPLES OF STEM STUDENT INTERNSHIPS AND CAREER PLACEMENTS

