National Science Foundation Education and Human Resources (EHR) by Division and Program FY 2013 Request in the FY 2013 Budget Structure

(Dollars in Millions)

(Dollars	in Millions)						
				FY 2013 Reque			
		FY 2012				FY 2012 Current	
	FY 2011	Current Plan	FY 2013	FY 2011		Plan Es	
	Actual	Estimate	Request	Amount		Amount	Percent
DUE	\$217.28	\$235.65	\$246.65	\$29.37	13.5%	\$11.00	4.7%
Core R&D Programs ¹	147.59	127.76	146.76	-0.83	-0.6%	19.00	14.9%
Core Launch:STEM Learning Environments ²	-	-	5.00	5.00	N/A	5.00	N/A
Advanced Technological Education (ATE)	64.35	64.00	64.00	-0.35	-0.5%	-	0.0%
STEM Talent Expansion Program (STEP)	32.23	24.30	16.30	-15.93	-49.4%	-8.00	-32.9%
Transforming Undergraduate Education in STEM (TUES)	41.25	39.46	61.46	20.21	49.0%	22.00	55.8%
National STEM Education Distributed Learning (NSDL)	9.75	-			-100.0%	-	N/A
Expeditions 1	-	8.00	20.00	20.00	N/A		150.0%
Widening Implementation and Demonstration of Evidence-	-	8.00	20.00	20.00	N/A	12.00	150.0%
based Reforms (WIDER)/E ² : Transforming Undergraduate							
STEM Learning ³ Leadership Programs ¹	69.69	99.89	79.89	10.20	14.6%	-20.00	-20.0%
Robert Noyce Scholarship Program (NOYCE)	54.90	54.89	54.89	-0.01	0.0%	-20.00	0.0%
Federal Cyber Service: Scholarship for Service/Cybercorps (SFS)	14.79	45.00	25.00	10.21	69.0%	-20.00	-44.4%
DGE	\$176.58	\$173.29	\$184.82	\$8.24	4.7%	\$11.53	6.7%
	29.70	31.20	28.16	-1.54	-5.2%	-3.04	-9.7%
Core R&D Programs ¹	29.70	31.20	5.00	5.00	N/A	5.00	N/A
Core Launch: STEM Professional Workforce Preparation ²	0.10	_	0.30	0.20	196.8%	0.30	N/A
NSF Innovation Corps (I-Corps) ⁴ Integrative Graduate Education and Research Traineeship	29.60	31.20	22.86	-6.74	-22.8%	-8.34	-26.7%
Program (IGERT)	29.00	31.20	22.80	-0.74	-22.8%	-8.34	-20.7%
Expeditions 1	5.43	5.50	8.17	2.74	50.4%	2.67	48.5%
Climate Change Education (CCE)/E2: Learning and	5.43	5.50	4.76	-0.67	-12.4%	-0.74	-13.5%
Understanding Sustainability ⁵							
Integrative Graduate Education and Research Traineeship	-	-	3.41	3.41	N/A	3.41	N/A
Program (IGERT)/E ² : Learning and Understanding							
Sustainability							
Leadership Programs ¹	141.44	136.59	148.49	7.05	5.0%	11.90	8.7%
Graduate Research Fellowship (GRF)	93.27	109.64	121.49	28.22	30.3%	11.85	10.8%
Graduate STEM Fellows in K-12 Education (GK-12)	48.18	26.95	27.00	-21.18	-44.0%	0.05	0.2%
HRD	\$144.71	\$129.63	\$134.63	-\$10.08	-7.0%	\$5.00	3.9%
Core R&D Programs ¹	139.53	124.48	129.48	-10.05	-7.2%	5.00	4.0%
Core Launch: Broadening Participation and Institutional	-	-	5.00	5.00	N/A	5.00	N/A
Capacity in STEM) ² ADVANCE	1.52	1.53	1.53	0.01	0.8%		0.0%
	16.69	7.84	7.84	-8.85	-53.0%		0.0%
Alliances for Graduate Education and the Profession (AGEP) ^o Centers for Research Excellence in Science and Technology	30.43	24.24	24.24	-6.19	-20.3%	_	0.0%
(CREST)/E ² : Learning and Understanding Sustainability	30.43	24.24	24.24	-0.19	-20.5%	-	0.0%
Historically Black Colleges and Universities Undergraduate	31.93	31.94	31.94	0.01	0.0%		0.0%
Program (HBCU-UP)							
Louis Stokes Alliances for Minority Participation (LSAMP)	45.63						0.00/
Tribal Colleges & Universities Program (TCUP)	43.03	45.62	45.62	-0.01	0.0%	-	0.0%
	13.33	45.62 13.31	45.62 13.31	-0.01 -0.02	0.0% -0.1%	-	0.0%
Transforming Broadening Participation through STEM (TBPS)	13.33	13.31	13.31	-0.02	0.0	-	0.0% N/A
Transforming Broadening Participation through STEM (TBPS) Leadership Programs ¹	13.33 - 5.18	13.31 - 5.15	13.31 - 5.15	-0.02 - -0.03	-0.1% N/A -0.6%	- - -	0.0% N/A 0.0%
	13.33	13.31	13.31	-0.02	-0.1% N/A		0.0% N/A
Leadership Programs ¹	13.33 - 5.18	13.31 - 5.15	13.31 - 5.15	-0.02 - -0.03	-0.1% N/A -0.6%		0.0% N/A 0.0%
Leadership Programs ¹ Excellence Awards in Science and Engineering (EASE) ⁷	13.33 - 5.18 5.18	13.31 - 5.15 5.15	13.31 - 5.15 5.15	-0.02 - -0.03 -0.03	-0.1% N/A -0.6% -0.6%	-	0.0% N/A 0.0% 0.0%
Leadership Programs Excellence Awards in Science and Engineering (EASE) DRL	13.33 - 5.18 5.18 \$322.47	13.31 - 5.15 5.15 \$290.43	13.31 - 5.15 5.15 \$309.51	-0.02 - -0.03 -0.03 -\$12.96	-0.1% N/A -0.6% -0.6%	\$19.08	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A
Leadership Programs Excellence Awards in Science and Engineering (EASE) DRL Core R&D Programs 1	13.33 5.18 5.18 \$322.47 303.87	13.31 - 5.15 5.15 \$290.43	13.31 5.15 5.15 \$309.51 281.23	-0.02 -0.03 -0.03 -\$12.96 -22.64 5.00 -10.10	-0.1% N/A -0.6% -0.6% -4.0% -7.4% N/A -8.4%	\$19.08 8.80 5.00 10.67	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A 10.8%
Leadership Programs Excellence Awards in Science and Engineering (EASE) DRL Core R&D Programs Core Launch: STEM Learning ²	13.33 - 5.18 5.18 \$322.47 303.87	13.31 - 5.15 5.15 \$290.43 272.43	13.31 5.15 5.15 \$309.51 281.23 5.00	-0.02 -0.03 -0.03 -\$12.96 -22.64 5.00	-0.1% N/A -0.6% -0.6% -4.0% -7.4% N/A	\$19.08 8.80 5.00	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A
Leadership Programs Excellence Awards in Science and Engineering (EASE) DRL Core R&D Programs Core Launch: STEM Learning Discovery Research K-12 (DR-K12) Advancing Informal STEM Learning (AISL) Math and Science Partnership (MSP) Math and Science Partnership	13.33 5.18 5.18 \$322.47 303.87 - 120.00 64.21 57.12	13.31 5.15 5.15 \$290.43 272.43 - 99.23	13.31 5.15 5.15 \$309.51 281.23 5.00 109.90	-0.02 -0.03 -0.03 -\$12.96 -22.64 5.00 -10.10	-0.1% N/A -0.6% -0.6% -4.0% -7.4% N/A -8.4%	\$19.08 8.80 5.00 10.67	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A 10.8%
Leadership Programs Excellence Awards in Science and Engineering (EASE) DRL Core R&D Programs Core Launch: STEM Learning Discovery Research K-12 (DR-K12) Advancing Informal STEM Learning (AISL) Math and Science Partnership (MSP) Math and Science Partnership	13.33 5.18 5.18 \$322.47 303.87 - 120.00 64.21	13.31 5.15 5.15 \$290.43 272.43 - 99.23 61.40	13.31 5.15 5.15 \$309.51 281.23 5.00 109.90 47.82	-0.02 -0.03 -0.03 -\$12.96 -22.64 5.00 -10.10 -16.39	-0.1% N/A -0.6% -0.6% -4.0% -7.4% N/A -8.4% -25.5%	\$19.08 8.80 5.00 10.67	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A 10.8% -22.1%
Leadership Programs Excellence Awards in Science and Engineering (EASE) DRL Core R&D Programs Core Launch: STEM Learning Discovery Research K-12 (DR-K12) Advancing Informal STEM Learning (AISL) ⁶	13.33 5.18 5.18 \$322.47 303.87 - 120.00 64.21 57.12	13.31 5.15 5.15 \$290.43 272.43 - 99.23 61.40 57.08	13.31 - 5.15 5.15 \$309.51 281.23 5.00 109.90 47.82 57.08	-0.02 - -0.03 -0.03 -\$12.96 -22.64 5.00 -10.10 -16.39 -0.04	-0.1% N/A -0.6% -0.6% -7.4% N/A -8.4% -25.5% -0.1%	\$19.08 8.80 5.00 10.67 -13.58	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A 10.8% -22.1%
Leadership Programs¹ Excellence Awards in Science and Engineering (EASE) ⁷ DRL Core R&D Programs¹ Core Launch: STEM Learning² Discovery Research K-12 (DR-K12) Advancing Informal STEM Learning (AISL) ⁶ Math and Science Partnership (MSP) ⁸ Research on Education and Learning (REAL) ^{6,9}	13.33 5.18 5.18 \$322.47 303.87 - 120.00 64.21 57.12	13.31 5.15 5.15 \$290.43 272.43 - 99.23 61.40 57.08	13.31 5.15 5.15 \$309.51 281.23 5.00 109.90 47.82 57.08 59.43	-0.02 -0.03 -0.03 -\$12.96 -22.64 5.00 -10.10 -16.39 -0.04 -3.10	-0.1% N/A -0.6% -0.6% -7.4% N/A -8.4% -0.1% -5.0%	\$19.08 8.80 5.00 10.67 -13.58 - 4.71	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A 10.8% -22.1% 0.0% 8.6%
Leadership Programs Excellence Awards in Science and Engineering (EASE) DRL Core R&D Programs Core Launch: STEM Learning Discovery Research K-12 (DR-K12) Advancing Informal STEM Learning (AISL) Math and Science Partnership (MSP) Research on Education and Learning (REAL) INSPIRE INSPIRE	13.33 5.18 5.18 \$322.47 303.87 - 120.00 64.21 57.12	13.31 5.15 5.15 \$290.43 272.43 - 99.23 61.40 57.08	13.31 5.15 5.15 \$309.51 281.23 5.00 109.90 47.82 57.08 59.43	-0.02 -0.03 -0.03 -\$12.96 -22.64 5.00 -10.10 -16.39 -0.04 -3.10	-0.1% N/A -0.6% -0.6% -7.4% N/A -8.4% -0.1% -5.0% N/A	\$19.08 8.80 5.00 10.67 -13.58 - 4.71	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A 10.8% -22.1% 0.0% 8.6% N/A
Leadership Programs Excellence Awards in Science and Engineering (EASE) DRL Core R&D Programs Core Launch: STEM Learning Discovery Research K-12 (DR-K12) Advancing Informal STEM Learning (AISL) Math and Science Partnership (MSP) Research on Education and Learning (REAL) NSPIRE Teacher Learning for the Future (TLF) Expeditions	13.33 5.18 5.18 \$322.47 303.87 - 120.00 64.21 57.12	13.31 5.15 5.15 \$290.43 272.43 - 99.23 61.40 57.08 54.72	13.31 - 5.15 5.15 \$309.51 281.23 5.00 109.90 47.82 57.08 59.43 2.00	-0.02 -0.03 -0.03 -\$12.96 -22.64 5.00 -10.10 -16.39 -0.04 -3.10 2.00	-0.1% N/A -0.6% -0.6% -7.4% N/A -8.4% -0.1% -5.0% N/A N/A	\$19.08 8.80 5.00 10.67 -13.58 - 4.71 2.00	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A 10.8% -22.1% 0.0% 8.6% N/A N/A
Leadership Programs ¹ Excellence Awards in Science and Engineering (EASE) ⁷ DRL Core R&D Programs ¹ Core Launch: STEM Learning ² Discovery Research K-12 (DR-K12) Advancing Informal STEM Learning (AISL) ⁶ Math and Science Partnership (MSP) ⁸ Research on Education and Learning (REAL) ^{6,9} INSPIRE ¹⁰ Teacher Learning for the Future (TLF)	13.33 5.18 \$322.47 303.87 120.00 64.21 57.12 62.53	13.31 5.15 5.15 \$290.43 272.43 - 99.23 61.40 57.08 54.72	13.31 5.15 5.15 \$309.51 281.23 5.00 109.90 47.82 57.08 59.43 2.00	-0.02 -0.03 -0.03 -\$12.96 -22.64 5.00 -10.10 -16.39 -0.04 -3.10 2.00 -	-0.1% N/A -0.6% -0.6% -4.0% N/A -8.4% -0.1% -5.0% N/A N/A N/A N/A	\$19.08 8.80 5.00 10.67 -13.58 - 4.71 2.00 - 4.33 4.33	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A 10.8% -22.1% 0.0% 8.6% N/A N/A
Leadership Programs Excellence Awards in Science and Engineering (EASE) DRL Core R&D Programs Core Launch: STEM Learning Discovery Research K-12 (DR-K12) Advancing Informal STEM Learning (AISL) Math and Science Partnership (MSP) Research on Education and Learning (REAL) NSPIRE Teacher Learning for the Future (TLF) Expeditions DR-K12/E ² : Cyberlearning, Data, and Observations for STEM	13.33 5.18 5.18 \$322.47 303.87 - 120.00 64.21 57.12 62.53	13.31 5.15 5.15 \$290.43 272.43 - 99.23 61.40 57.08 54.72	13.31 5.15 5.15 \$309.51 281.23 5.00 109.90 47.82 57.08 59.43 2.00	-0.02 -0.03 -0.03 -\$12.96 -22.64 5.00 -10.10 -16.39 -0.04 -3.10 2.00 -	-0.1% N/A -0.6% -0.6% -4.0% N/A -8.4% -0.1% -5.0% N/A N/A N/A N/A	\$19.08 8.80 5.00 10.67 -13.58 - 4.71 2.00	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A 10.8% -22.1% 0.0% 8.6% N/A N/A
Leadership Programs Excellence Awards in Science and Engineering (EASE) DRL Core R&D Programs Core Launch: STEM Learning Discovery Research K-12 (DR-K12) Advancing Informal STEM Learning (AISL) Math and Science Partnership (MSP) Research on Education and Learning (REAL) NSPIRE Teacher Learning for the Future (TLF) Expeditions DR-K1/2F: Cyberlearning, Data, and Observations for STEM Education	13.33 5.18 \$322.47 303.87 120.00 64.21 57.12 62.53	13.31 5.15 5.15 \$290.43 272.43 61.40 57.08 54.72	13.31 5.15 \$309.51 281.23 5.00 109.90 47.82 57.08 59.43 2.00 - 4.33 4.33	-0.02 -0.03 -0.03 -\$12.96 -22.64 5.00 -10.10 -16.39 -0.04 -3.10 2.00 -	-0.196 N/A -0.696 -0.696 -7.496 N/A -8.496 -25.596 -5.096 N/A N/A N/A	\$19.08 8.80 5.00 10.67 -13.58 - 4.71 2.00 - 4.33 4.33	0.0% N/A 0.0% 0.0% 6.6% 3.2% N/A 10.8% -22.1% 0.0% 8.6% N/A N/A N/A

Totals may not add due to rounding.

¹ In FY 2013, EHR programs in all divisions are aligned with the new budget activity lines of 'CORE R&D Programs', 'Expeditions', and 'Leadership Programs'. The existing budget activity lines in DUE ('Curriculum, Laboratory and Instructional Development', 'Workforce Development', and 'Teacher Education') and HRD ('Broadening Participation at the Core' and 'Research and Education Infrastructure') are dissolved.

² 'Core Launch' is a new program proposed for FY 2013. It is funded by all of EHR's divisions with each division heading a different thematic area.

³ Widening Implementation and Demonstration of Evidence-based Reforms (WIDER) and Teacher Learning for the Future (TLF) are new programs proposed for FY 2012.

 $^{^4}$ NSF Innovation Corps (I-Corps) is a new NSF-wide program developed in FY 2011.

 $^{^{\}rm 5}$ In FY 2013, the Climate Change Education (CCE) program moves from DUE to DGE.

⁶ In FY 2013, new program names are proposed: Advancing Informal STEM Learning (AISL), for Informal Science Education (ISE); Research on Education and Learning (REAL), for Research & Evaluation on Education in S&E (REESE); and Alliances for Graduate Education and the Profession (AGEP), for Alliances for Graduate Education and the Professoriate (AGEP).

 $^{^{7}}$ In FY 2013, the Excellence Awards in Science and Engineering (EASE) program moves from DUE to HRD.

⁸ In FY 2013, the Math Science Partnership (MSP) program moves from DUE to DRL.

Funding for Research and Evaluation on Education in Science & Engineering (REESE) is restated for FY 2011 to include Research on Gender in Science & Engineering (GSE) and Research in Disabilities Education (RDE) as proposed for FY 2012.
 InSPIRE is a new NSE-wide program proposed for FY 2012.