STEM MENTOR PROGRAM

The Colorado Legacy Foundation is partnering with some of the region's top companies to close the opportunity gap and motivate students interested in pursuing Science Technology Engineering Mathematics (STEM) focused college and career pathways. Through the STEM Mentor Program, volunteers from these companies are "adopting" Advanced Placement (AP) classrooms to provide a deeper engagement with Colorado Legacy School students by:

- Meeting with students 5-10 times annually
- Participating in a training session with teachers and CLF to learn techniques for engaging diverse students
- Building connections between AP achievement and career success
- Outlining personal pathways to STEM careers for historically underrepresented students
- Providing current, real-world applications to classroom work
- Explaining the benefits of a challenging STEM education

ABOUT COLORADO LEGACY SCHOOLS

Colorado Legacy Schools is a local replication of the National Math and Science Initiative's (NMSI) proven Advanced Placement Training and Incentive Program (APTIP) that has an unprecedented record of closing the achievement gap and increasing college readiness in program schools across the country. APTIP empowers high-need students to succeed in rigorous math, science, and English courses, thereby elevating expectations for students and transforming school cultures into those of college-readiness. The program supports teachers with extensive training and individualized achievement goals, fosters open enrollment and active recruitment policies for students, offers incentives to students to motivate them to engage in challenging AP coursework, and entails extensive data collection to ensure accountability. In the first year of its implementation in Colorado, the Legacy Schools Initiative increased the number of qualifying scores on AP math, science, and English exams at three program schools by 433%.

WHY WE NEED YOUR HELP

- According to The National Science Foundation, 80% of the jobs created in the next decade will require some form of math and science skills.
- According to The U.S. Department of Commerce Economics and Statistics Administration, STEM occupations are expected to grow by 17% from 2008-2018, compared to 9.8% growth for non-STEM occupations.
- Sixty percent of the new jobs that will open in the 21st century will require skills possessed by only 20% of the

If your company is interested in participating in the **STEM Mentor Program**, contact
Christian Martinez, Director of Development, Colorado Legacy Foundation:
303.736.6477 x 239 * cmartinez@colegacy.org

Colorado Legacy Schools Cohort 1		FRL	Ethnicity				
Enrollments and Demographics	Enrollment	Free or Reduced Lunch	African American	Hispanic	Asian	Caucasian	Other
Abraham Lincoln High School Denver	1898	1746	23	1697	61	104	13
Arvada High School* Arvada	**981**	**579**	**15**	**472**	**45**	**114**	**11**
Aurora Central High School Aurora	1997	1438	30	1358	160	120	60
Centennial High School Pueblo	1102	485	30	557	9	490	11
Central High School Grand Junction	1579	774	16	407	11	1078	66
Fruita Monument High School Fruita	1343	336	9	82	7	1179	66
Grand Junction High School Grand Junction	1715	643	34	172	17	1475	17
James Irwin Charter School Colorado Springs	423	127	12	110	25	216	21
Northglenn High School Northglennn	1668	560	54	899	81	617	233
Vista Ridge High School Colorado Springs	1105	180	150	179	63	705	8
Percentages		49.73%	3%	42.96%	3%	44%	4%

Colorado Legacy Schools Cohort 2		FRL	Ethnicity				
Delta High School Delta	637	369	6	201	27	397	1
Denver South High School Denver	1354	975	360	393	229	360	12
Greeley Central High School Greeley	1488	859	39	940	123	457	25
Harrison High School Colorado Springs	882	626	130	393	64	277	18
Northridge High School Greeley	983	662	10	718	10	236	20
Pueblo South High School Pueblo	1349	675	40	715	14	567	13
Rangeview High School Aurora	2197	925	505	681	132	725	154
Sand Creek High School Colorado Springs	1198	367	153	258	71	652	65
Skyline High School* Longmont	**1349**	**607**	**27**	**688**	**40**	**567**	**27**
Thomas Jefferson High School Denver	1133	553	272	340	23	419	79
Percentages		52.65%	12%	42.38%	6%	37%	3%

* Currently participating in STEM Mentor Program