

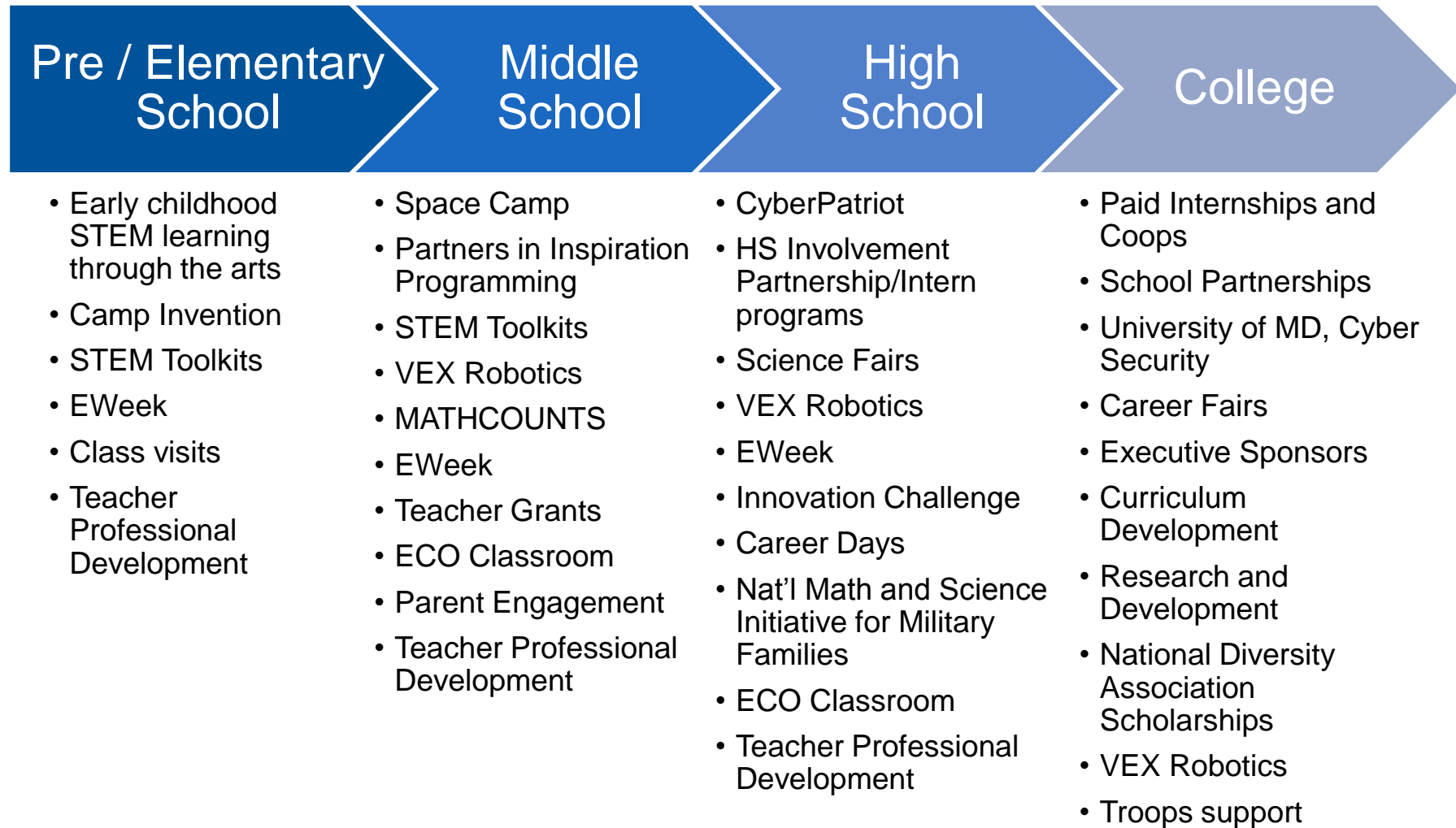
THE VALUE OF PERFORMANCE.
NORTHROP GRUMMAN

Northrop Grumman's Commitment to STEM

Why Are Kids Avoiding Engineering?

- They don't know about it
- It is a difficult discipline
 - 41% of teens associate the word **difficult** with engineering
- They are not prepared for college engineering
 - Didn't take advanced math/science in high school
- Ineffective messaging
 - Engineers solve problems using math and science
 - Vs.
 - Engineering is essential to our health, happiness and safety

NGC STEM Education Pipeline



Northrop Grumman is Fully Engaged With K-16 STEM Pipeline

NGC National Programs



THE VALUE OF PERFORMANCE.

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Do some of your students have it in them?

- Engineering can be a very meaningful and personally rewarding field
 - Our world has big problems and engineers will be expected to solve those big problems
- Engineering requires discipline and a good deal of effort
 - Edison was to have said, “Ingenuity is 1% inspiration, 99% perspiration.”
 - I think he was speaking about Engineering
- Engineering degrees are held by more CEOs than any other field
 - This is probably true of Chief Technical Officers (CTOs) as well
 - 62% of all CEOs have advanced degrees (MBA, PhD, Law degree, Master’s)