Summer Work for Honors Civil Engineering and Architecture

Civil Engineering and Architecture Supply List:
A flashdrive!!!!!!
1 inch 3-ring binder
loose leaf lined paper
10 dividers
pencils
pens
steel ruler
calculator with sine, cosine, tangent functions
PLTW Engineering Notebook (you may already have one or you can buy one from me for $3.00)

Summer Work: To answer each question below, write a paragraph in complete sentences with correct grammar and spelling.

I. Watch a TED talk entitled "David E. Goldberg - 7 Missing Basics of Engineering" at https://www.youtube.com/watch?v=Rp9PfQ8a4 (copy and paste URL into browser). What are the 8 things that today's engineers lack?

II. Watch another TED talk entitled "Ending Poverty - What Engineers Can Do: James Trevelyan" at https://www.youtube.com/watch?v=NezljrG20 (copy and paste URL into browser). What can engineers do to eradicate poverty?

III. Watch "Architecture That's Built to Heal" at https://www.ted.com/talks/michael_murphy_architecture_that_s_built_to_heal (copy and paste URL into browser). What are the 4 pillars of Lo-fab? Give an example of it in use. What has Michael Murphy learned about architecture and change?

Extra Credit Opportunities:
1. Write a powerpoint with one picture, taken by you, of one style of architecture. Title the slide as such. 1 point per slide. No pictures plagiarized from the internet are allowed. Each slide must depict a different style. Search your neighborhoods and Norwalk. Houses or commercial buildings allowed.
2. Read an article in Archdaily, 9/19/2016 issue, "11 Ways to Become a Better Architect." Write a synopsis. 10 points.
3. TED Talks: "The 20 Most Inspirational Non-Architecture TED Talks for Architects." Write a synopsis of a talk. 10 points per talk. You can't repeat ones you've already done for summer work.