Science & Engineering Practices (SEPS)
The Design Process PBL

Date	Learning Progression	Team Notes
10/5	1. Read pg 61- 67 Design Process- Discuss as you go. 2. Show the Youtube video 7:53 Science, Engineering, and Design https://www.youtube.com/watch?v=5Dp2qHz8r2U	-Discuss Design Process Make content connections (how are math, reading, writing, history, science, the arts, etc. used in The Design Process) This is the Diagram of the Design Process -https://docs.google.com/document/d/1lmJsW6lleIDDt2AyflGm4JXFA3ALyVV7paM990HKXqI/edit Introduce all SEPS
10/6	1. Show Design Process CD (13 min) Go to the T and show all. It is about the Wright Brothers flight. 2. Brainstorm ideas as a class Come up with one or two prototype ideas. 3. Get students into groups of 3 or 4 to have them pick their idea for a prototype. No toothbrushes because we will have used this in our reading. Complete project on Google Slides and share with the group. IDEA needs to better MIS or student life.	Carol has the CDs for this - see me! use rubric for grading https://docs.google.com/document/d/1_Up6makQKY9Q0XW4PVGGvmhfC2-Pnh44fJq1bGKOD30/edit Here are links to additional design process videos: https://docs.google.com/document/d/14H8KxisKGPaLRDSh12OJ0GsYTsvh7aI89JTF5fsw27g/edit Review all SEPS How are science & engineering practices similar? How are they different? 1.1 Asking Questions & Designing Problems
10/9	Groups work on designs	use rubric for grading 1.2 Developing & Using Models
10/10	Groups work on designs/prepare presentations	1.2 Developing & Using Models 1.3 Planning & Carrying Out investigations 1.8 Obtaining, Evaluating, and Communicating Information

10/11 10/12	Prototype Presentations Prep students for Field Trip destinations ● Ivy Tech ● Zimmer	Look fors…… -Zimmer -look at the rotations and/or prototypes that interest you and -think of a future prototype for Zimmer -IVY TECH -pick out a career you might be interested in -what did you learn about IVY TECH Remind students: students need to be quiet on the tour -quiet on rotations -thank adults for the presentations -remind those who signed up to carry lunch to bring it to school Career Exploration Employability Skills
10/13	Presenting Projects	Discuss their ideas/ how could more than one group work together to get the best prototype 1.6 Constructing Explanations & Designing Solutions
10/13	Thank you letters to Zimmer/Ivy Tech Here is the rubric for the letter - https://docs.google.com/document/d/1NOhnVp6ad7Fyc8nz5_4icY82reVTkPpnUVdHRhGL1LQ/edit	Writing Connection
	Science/technology HA differentiation lesson plan: IDOE HA plan idea	Differentiated Instruction