**Virtual Lab
Activity 7.1**

Civil Engineering Overview

1. **Observe** Watch the Civil Engineering Overview animation. Give a brief description of what a typical civil engineer does. List and describe three to five types of engineering problems that a civil engineer may be able to solve.

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2. **Execute** Research and record five materials and five processes that a civil engineer would use to create bridges, tunnels, and canals. Make five thumbnail sketches for potential bridge, tunnel, and canal designs. If possible, create CAD renderings of the two best designs for each category.

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