**Discussion GUIDE: Architecture, CADD, & Construction Careers**

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| **TEACHER DISCUSSION LEADERS:**  1. Lead a class discussion about Architecture, CADD, & Construction  careers using the Proposed Student Discussion Questions and Prompts.  2. Discuss which high school CTE courses help students get ready for a  career in Architecture, CADD, & Construction.  3. Key Architecture, CADD, & Construction introductory concepts  include: a) Technical Drawing and Print Reading, b) Familiarity with  Building Materials, and c) Knowledge of Design Elements.  4. Find additional Architecture, CADD, & Construction resources on the  TREES website at <https://www.cteintrees.org/career-exploration-resources>. | **STUDENT OPTIONS:**  1. Take the Career Assessment in the *TREES Career Guide for Students*. Then,  review Architecture, CADD, & Construction job titles on pages 34 and 35.  2. Take the *True Colors Personality Quiz* at  <https://www.ira.esc14.net/upload/page/0255/True%20Colors.pdf>.  3. Watch the 3-minute *A Day in the Life: Architectural Designer* video at  <https://youtu.be/2oir2QNuBS4>.  4. Do your own research about Architecture, CADD, & Construction careers  to learn more.  5. Participate in a class discussion. |

Proposed Student Questions and Prompts

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| Q1a. What do people in Architecture, CADD, & Construction careers do? Which Architecture, CADD, and Construction jobs (page 34 of the *Career Guide for Students*) are of most interest to you? Characteristics of Architecture, CADD, & Construction professionals include:  ***Creators*** are enthusiastic, analytical, curious, and must communicate a message clearly. ***Organizers*** manage resources–time, energy, and work–well. All these careers require you to produce quality work. *Quality work* is a product or task that meets and/or exceeds client expectations.  Q1b. What strengths did *True Colors* identify about you? | **In an Architectural and/or a CADD career** you may create technical drawings, design and oversee the development of homes/buildings, or use CADD software to draw plans and parts. You may supervise and document a project’s progress.  **In a Construction career** you will likely work hands-on with the building materials and fabricate structures. You may prepare the job site, handle materials, operate machinery, and/or manufacture parts of the structure.  What skills might you need to improve to be more successful in an Architecture, CADD, & Construction career? Skills are the ability to do something well. |
| Q2. What did you learn from the *Architectural Designer* video? | What skills do Architectural Designers need? Which of those skills do you already have? What skills might you need to improve to become a designer? |
| Q3. Do you know someone who works in the Architecture, CADD, &  Construction industry such as an Architect, Construction Manager,  Carpenter, CADD Designer, Drafter, Electrician, Engineer, etc.? | What do they do at work? What high school courses would help you get started in an Architecture, CADD, & Construction field? |
| Q4. What Architecture, CADD, & Construction employers are in your local  area? | *Hartz Homes* is a popular construction employer in the area. Can you list 3 more employers?  1.  2.  3. |