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| Build a bird house from a construction kit. Follow the instructions to assemble all the pieces accurately and with precision. (Construction Technology) | Interview a client about the need to re-design the company’s website. Develop a proposal to meet those needs, researching the website design services your organization will provide, the costs, and a timeline to complete the work. Present your proposal to the client for approval. (Business/Information Technology) |
| Find three articles on trends in the automotive industry. Summarize the major trends in a PowerPoint presentation. (Transportation) | Create an employee “how to” brochure that explains the specific step-by-step process for writing an incident report. (Human Services) |
| Research the question, “Should cigarette companies be required to put pictures of extreme cases of lung disease on cigarette packages?” Plan a debate panel that accurately reflects both sides of the issue at a community forum. After the debate, choose a side and write a letter to legislators expressing your views. (Health/Science) | Analyze an engine problem on a car in the lab and fix the problem. (Transportation) |
| Make a safety poster that illustrates key Occupational Safety and Health Administration (OSHA) guidelines for a workplace. (Construction Technology) | Solve a manufacturing design problem. Investigate the problem through observations, data collection and interviews at the manufacturing plant. Propose a solution and justify it to the supervisors at the plant. (Engineering) |
| Develop a small business plan for a salon. Select a viable location, develop an overall budget and identify staffing projections. Research and create appropriate salon policies. Present the plan to a banker to secure a small business loan. (Cosmetology) | Create and perform a role-play to illustrate a client interview that effectively resolves an issue the client has with the service he/she received. (Business Management) |
| Build a Dance Pad that uses circuits to light a buzzer and sound an alarm. (Electronics/Engineering) | Watch two cartoons (or a few!) as a team determine what laws of physics are exaggerated or broken. Use a T chart to explain your findings. (Science) |
| Your team needs to determine and make an entrée and a dessert for a local restaurant. Your team will need to present you final products to a panel from the local restaurant through a formal presentation and the award winning entrée and dessert will be chosen. (Culinary) | Write a children’s book complete with illustrations, a front and back cover to address a theme from early American History. (Social Studies or Education) |
| Create a poster on a biological system. (Science) | Your team needs to design the ramps for the mobile classrooms being placed in the back of the school. You need to make a presentation to the superintendent your design and costs for the ramps. (Math, Engineering) |