**Applied Technology and Design: Build a Bridge Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Deb Coupe, Westwood Elementary, Kindergarten**

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| --- | --- | --- | --- | --- |
| Curr. Comp. | Emerging | Beginning | Developed | Applying |
| *Ideating* | | | | |
| Generate ideas from own experiences | Listens to class discussion; needs direct support to come up with a design idea | Listens to class discussion; follows other’s leads for bridge design ideas | Listens to class discussion; shares ideas for bridge design | Contributes to class discussion; has working idea for a product in mind |
| *Making* | | | | |
| Make a product using background knowledge about bridges | Needs direct support to work with materials | needs some support to work with materials; may have a basic design idea | uses materials to build; has bridge design idea in mind | has specific design idea in mind; uses materials effectively to achieve design idea |
| Use trial and error to make changes (improve bridge structure) | needs direct support to test bridge strength  needs direct support to make improvements | may independently test bridge strength, but needs support to identify improvements | can test bridge strength  can make one reasonable change to improve bridge | independently tests bridge strength; makes more than one reasonable improvement |

My First Bridge Design

1

My Improved Bridge Design

2