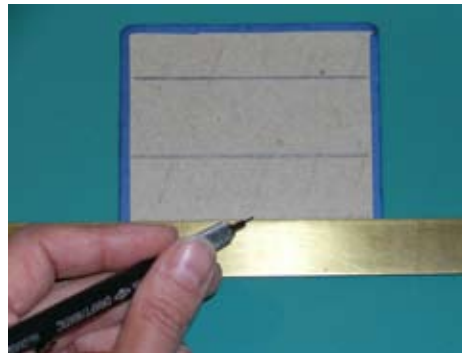
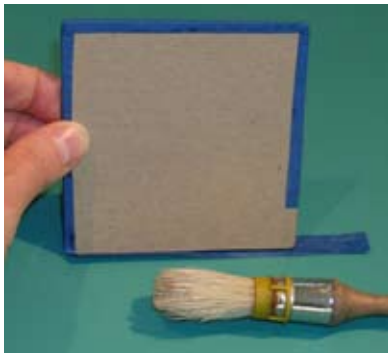
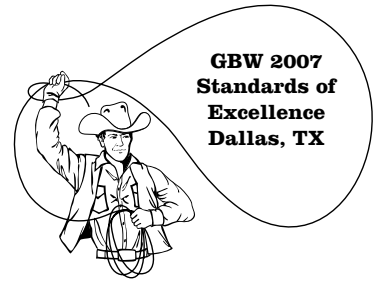


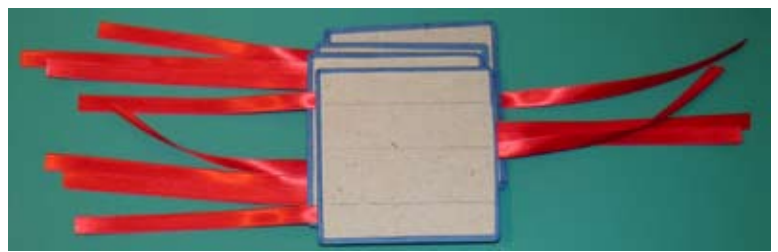
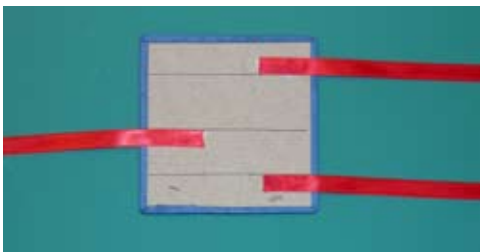
A Modular Approach to Construction of the Jacob's Ladder Structure

1. Cut pieces of heavy book board to preferred size.
2. For *all but one* of the boards cut three straps twice the length of the boards.
3. I add two details at this point to make the boards more attractive: I line the edges with colored tissue (figure 1), and I round the corners (not a viable option unless you have access to a heavy duty corner rounder – a hand held model for scrap booking will not cut board).
4. Mark the boards front and back with pencil guide lines for where to attach the straps. Place these lines the width of the straps plus a small offset from top and bottom board edges, plus a third line close to the center of the board (figure 2).



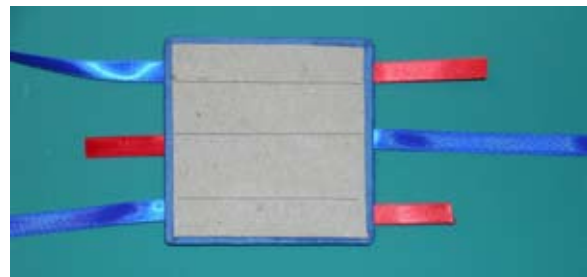
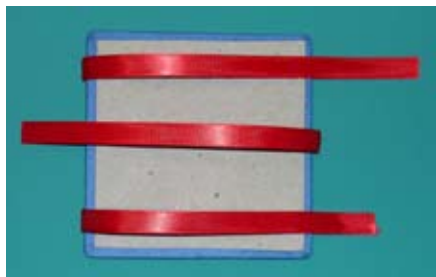
figures 1 and 2

5. Using guide lines, attach straps *to all but one* of the prepared boards, at the top and bottom of each board extending to the right, and a strap at the center line extending to the left. (figure 3).
6. Stack board with straps attached, strap attachment side down, all with the straps in the same orientation (figure 4).



figures 3
and 4

7. Take the first board off the stack and place it in front of you, strap attachment side down.
8. Take the straps and pull each straight across the board, edges extending onto your work surface (figure 5).
9. Place the next board directly on top of the first, strap attachment side down, in the same orientation as the first board (figure 6).

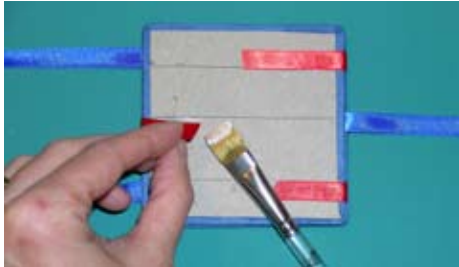


figures 5 and 6

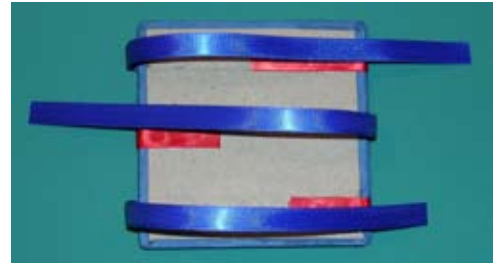
10. Attach straps from first board to the top of second board (figure 7).
- Tension should be such that there is no slack in the strap, but DO NOT pull tightly
 - Trim any excess strap

11. Repeat with remaining boards:

- Pull straps from top board across to the other side of board (figure 8)
- Place next board on top of the previous, strap attachment side down, straps in same orientation as previous boards
- Attach straps from next-to-top board to top board



figures 7 and 8



12. To finish, place final board, *with no pre attached straps*, on top of next-to-last board, and affix straps from next-to-last board to final board (figure 9).

13. When all boards and straps are affixed, grasp structure by the first or last board, letting the remainder hang down vertically (figure 10).

- Pivoting your wrist, flip the board you are holding top to bottom until all the boards in the structure flip upside down and back
- Examine the structure for any excessive looseness in the straps. Correct if necessary by detaching and reattaching strap.

14. Cut card weight paper of desired imagery slightly smaller than boards. Round corners if board corners are rounded.

15. Apply PVA to rear of paper and carefully slip under straps (figure 11). Rub down gently with paper barrier.



figure 9

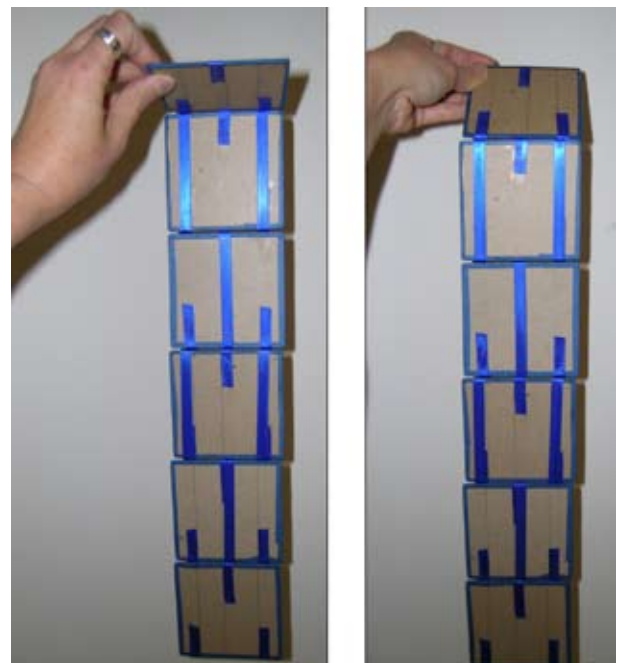


figure 10

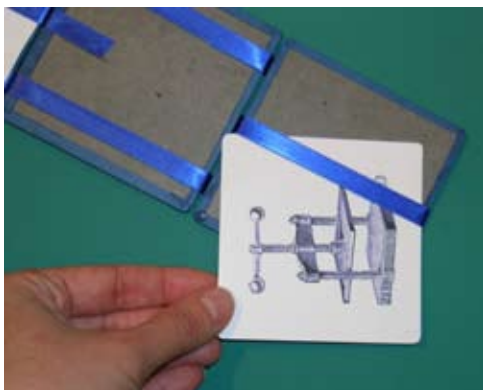


figure 11