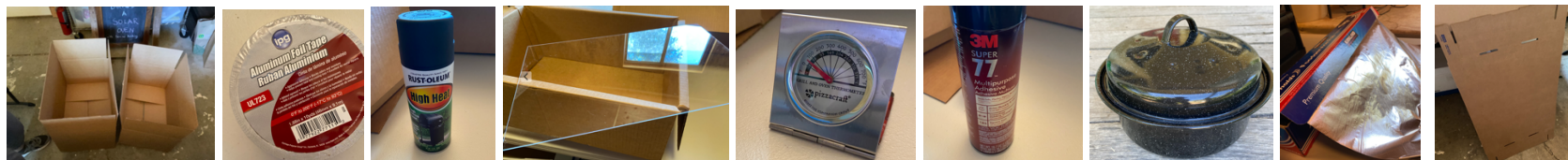












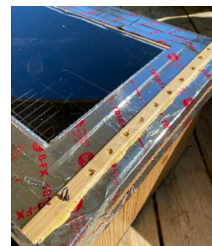


## SOLAR BOX COOKER

### DESIGN AND INSTRUCTIONS

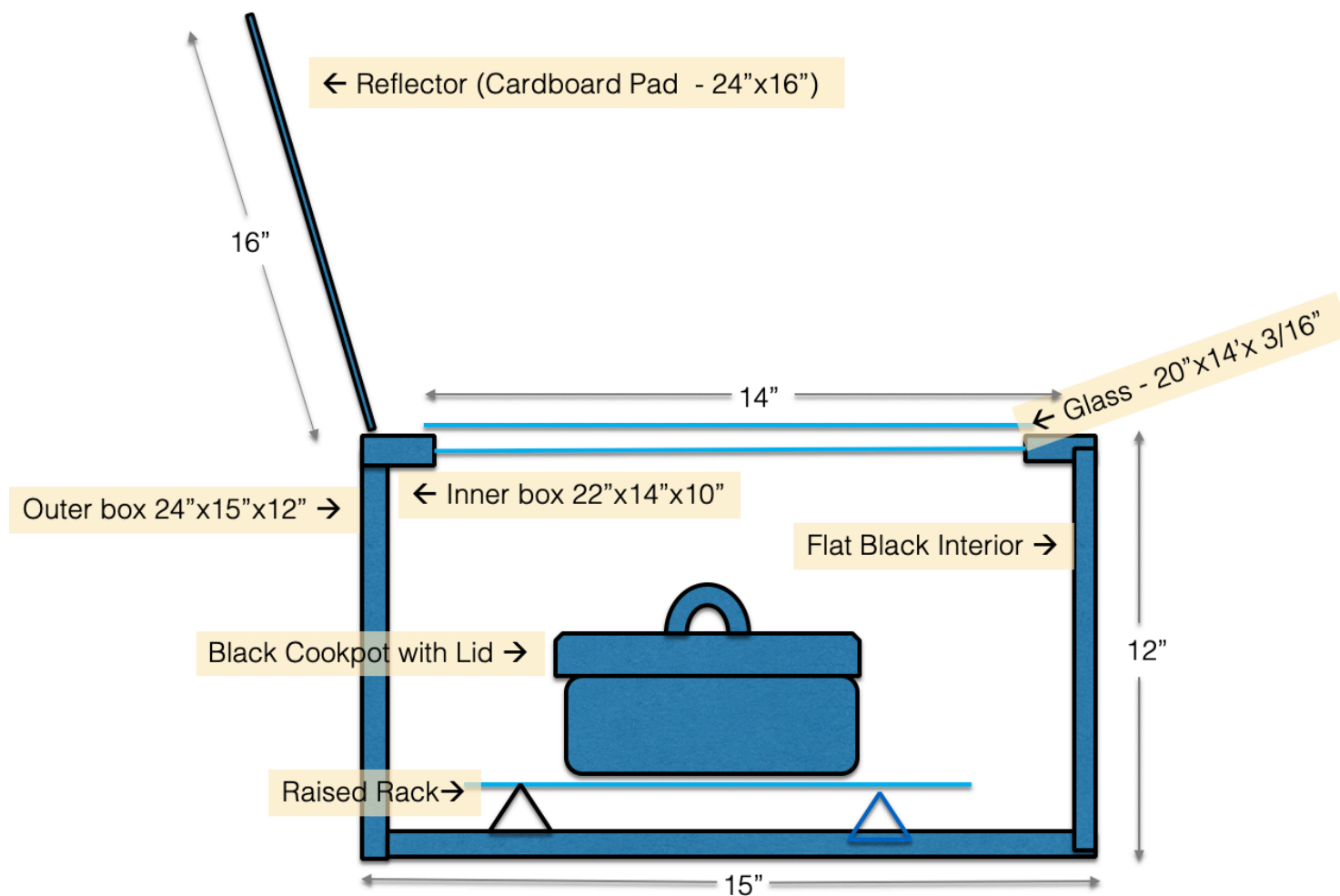


| Step | Instructions and Materials   |   |
|------|--|---|
| 1    | Put each box together (tape up gaps) <ul style="list-style-type: none"> <li>Cardboard Box – 24"x15"x12" (outside box)</li> <li>Cardboard Box – 22"x14"x10" (inside box)</li> <li>Wide aluminum tape</li> <li>Narrow aluminum tape</li> </ul> |    |
| 2    | Create an insulated platform in the larger box. <ul style="list-style-type: none"> <li>Cardboard Tray 22"x14"x2"</li> </ul>  |   |
| 3    | Tape edges and corners of box inside and out to avoid exposed cardboard to oven interior <ul style="list-style-type: none"> <li>Wide aluminum tape</li> <li>Narrow aluminum tape</li> </ul>  |  |

|   |   |  |
|---|---|--|
| 4 | Line each box with foil using adhesive <ul style="list-style-type: none"> <li>Aluminum foil</li> <li>Spray adhesive</li> </ul>  |   |
| 5 | Construct a lid and pad, line with foil <ul style="list-style-type: none"> <li>Cardboard Tray 24"x15"x2"</li> <li>Cardboard Pad - 24"x16" (for Reflector)</li> <li>Aluminum foil</li> <li>Spray adhesive</li> </ul> |   |
| 6 | Put boxes together. Add insulation between them. <ul style="list-style-type: none"> <li>Paper insulation</li> <li>Wide aluminum tape</li> </ul>   |   |
| 7 | Install glass on lid <ul style="list-style-type: none"> <li>Glass– 20"x14"x 3/16"</li> <li>Wide aluminum tape</li> </ul>  |  |

|    |   |   |  |
|----|---|---|--|
| 8  | Paint box interior <ul style="list-style-type: none"> <li>• Black high-temperature paint - flat black</li> <li>• Blue painters tape for masking edge</li> </ul> |    |  |
| 9  | Weatherproof outer cardboard <ul style="list-style-type: none"> <li>• 1 Roll of self-adhesive Contact Paper</li> <li>• 80" of Gorilla Tape</li> </ul>           |    |  |
| 10 | Install reflector and dowel <ul style="list-style-type: none"> <li>• 2 -20' Wood strips 20"</li> <li>• Wood dowel ¼" x 24"</li> <li>• Strong Glue</li> </ul>    |    |  |
| 11 | Set Box up for cooking <ul style="list-style-type: none"> <li>• Cooling Rack</li> <li>• Black Pot</li> <li>• Oven Thermometer</li> <li>• Tray liner</li> </ul>  |    |  |

# Side View



# Top View

