

Constructing an Incubator

Topic or Concept

Incubation can be used to hatch chickens, duck, geese or other types of eggs. Eggs can be used to show embryo development or show how eggs hatch.

<p style="text-align: center;">Materials</p> <p>Not Available from Region 20 Living Science Materials Center</p>	<p style="text-align: center;">Enrichment Activity</p>
<p>Extension cord with a bulb socket on one end Cardboard boxes, one the size of a shoe box and one a little larger Newspapers Electric light bulbs of different wattage Cotton or stoppers for vent holes Thermometer A jar lid to hold water 4"x 5" plastic plate Masking tape Empty egg carton</p>	<p>Procedure</p> <ol style="list-style-type: none"> 1. Cut an access door, about 4"x 5" in the side of both boxes. 2. Cut 4 or 5 ventilator holes in the top of both boxes. 3. Using the masking tape attach the 4" x 5" plastic plate to the opening on the large box. 4. Place the small box inside the large one and stuff newspapers between the box walls so that the small box is well insulated. 5. Let the electric light bulb hang in the small box. 6. Attach the thermometer to the small box so that it can be seen through the plastic plate. 7. Try different size bulbs and open and close the ventilation holes with cotton or stoppers until you get a constant temperature of 102° F. 8. Use part of an egg carton bottom as a rack in the small box. 9. Place a jar lid in the box to hold water for humidity control.