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CRAYON BOX SCHOOL ROOM

KIT CONTENTS:

24 count box of crayons	1 base	ADDITIONAL KITS:
1 piece of 1/8 th inch foam core	Black sand paper	School desks
1 piece of 1/2 inch foam core	Mat board for roof	Teacher's desk and chair
1 piece of 1/4 th inch foam core	Mat board for back wall	Black Board
1 tan sand paper	Flooring	Accessories
Wallpaper	Scored wood	
Very thin wood strip (top of wainscot)	strip of redwood	
Strip of 1/16 in x 1/16 in wood	Beads for knobs	

CRAYON BOX

- 1.) Cut open front of crayon box leaving 3/16th inch of box front around all 4 sides. Cut out the front in one piece and set aside for later.
- 2.) Cut a piece of mat board the size on the inside back wall, approximately 3-23/32 in. x 2-25/32 in. This should fit snugly on the inside back of box.
- 3.) Cut 2 pieces of 1/8 in thick foam core to approximately 2-25/32 in x 7/8 in. These are the sides or ends of inside of box. Trial fit the pieces to assure a snug fit.
- 4.) Cut 2 pieces of 1/8 in thick foam core to approximately 3-11/32 in x 7/9 in. These are the top (ceiling) and bottom (floor) of the inside box. These pieces fit inside the end pieces. Trial fit the pieces to assure a snug fit.
- 5.) Cut the 1/2 in thick foam core on the diagonal to form 2 triangles. The longest sides are the base of the roof. You will need to trim the pieces to the length of the roof base you want. It can be even with the ends of the outside of the box or hang over slightly. Trim the 1/4 in triangle of foam core to equal the 2 1/4 in thick pieces. When satisfied with the size and shape of your roof pieces, glue all 3 pieces together. Paint the flat triangle sides and slightly over onto to the foam edges with color of your choice. I used a green that sort of matched the green of the crayon box strips. Paint the edges and part way into the flat surface of the mat board labeled roof with the same color you have painted the roof pieces.
- 6.) Glue the back wall mat board and the sides into the box.
- 7.) Place the floor in the box and mark where it meets the back wall and sides.
- 8.) Apply blue wallpaper to the sides and back wall of the room. If able wrap around (tuck in) the front piece of foam core.
- 9.) Stain the scored wainscot and the thin wood strip for the top of the wainscot.
- 10.) Paint the walls in color of your choice. It will probably take 2 coats to cover the blue paper.
- 11.) Cover one of the foam core pieces (that will be the ceiling) with the blue wallpaper (wrap around the front side on the ceiling) and paint with a white or cream colored paint.
- 12.) Cover the remaining foam core piece with the flooring. Wrap around the front the floor.
- 13.) Once the walls and ceiling are dry, glue the floor and the ceiling into the box.
- 14.) Measure the wainscot on one side and along the back wall and glue in place with wood glue. If you are not going to put a door on one side, you will need to apply the wainscot to all 3 inside walls.
- 15.) Apply tiny strip of wood on top of the wainscot to finish off the wall.
- 16.) For the door, take the red wood piece of wood and cut 3 strips 1-9/16 in. Then cut one of the strips to measure 3/16 in wide. Glue the 3 pieces together so your door is 11/16 in wide by 1-9/16 in tall. I put the thinner piece in the center. Sand lightly to smooth the door surface and edges.
- 17.) Create the door frame using the 3/32 in x 3/32 in strip wood. Cut 1 piece 11/16 in and 2 pieces 1-5/8 in long. Stain the door frame pieces. When dry glue the short piece to the top of the door and the long pieces to the sides of the door. The side will go to the top of the short door frame piece.
- 18.) Glue small straight pin into the black bead with a dab of super glue. When set, cut off the pin almost to the edge of the bead. Using the T-pin, poke a hole where you want the door knob dip you knob into the super glue and stick in the hole. You may now glue your door on the side without the wainscot on.

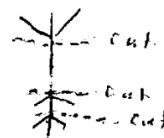
- 19.) Cut apart your crayon box front to decorate the front and back of roof as desired and glue in place.
- 20.) Glue your roof to the top of your crayon box
- 21.) Cut strip of the tab sand paper the width of your roof by $\frac{1}{2}$ in. You will need at least 8 to 10 strips for each side plus one piece for the peak of the roof.
- 22.) Cut slits in all but one of the strips up about $\frac{3}{4}$ of the way into the strip and stagger the cuts. These are your shingles and you want to create a staggered layered look.
- 23.) Beginning at the bottom edge of the roof glue your shingles one layer at a time up to the peak, staggering the location of the cuts. Repeat on the other side. Complete your roof by taking the uncut piece of sand paper, score it down the center lengthwise, fold in half and then glue to the peak of the roof.
- 24.) Glue your singles onto your roof.

BASE

- 1.) Lightly clean off the edges of the Styrofoam. Paint the edges with black paint. Paint onto the surface of the Styrofoam slightly.
- 2.) Cut a piece of the black sand paper the size of the base (it is slightly under 6 in square.)
- 3.) When all white spots are covered and the paint is dry, glue the sand paper on to the base. This black sand paper picks any touching and smearing you might do, so depending on how clean you want your blacktop, handle the black paper a little as possible.
- 4.) Decide where you want to place your crayon box and mark the paper where the edges are. If you want to put grass on part of the base, glue the area you have marked and sprinkle with grass.
- 5.) You may decorate your base however you would like. I had grass around the back of the box and black play ground area in the front of the box. You may do whatever you would like

SCHOOL DESKS

- 1.) From the $\frac{1}{4}$ in x $\frac{1}{32}$ in strip of wood, cut 4 pieces $\frac{9}{16}$ in long. Slightly round by sanding two corners at the end of the long ends of 3 pieces and all 4 corners on 1 piece. These are the desk seats
- 2.) From the $\frac{5}{8}$ in x $\frac{1}{32}$ in strip of wood, cut 6 pieces $\frac{9}{16}$ in long. Slightly round by sanding two corners at the end of the long ends on 3 of the pieces, these are the desk tops. The pieces with all 4 corners left square are the seat backs.
- 3.) Lightly sand all pieces to make smooth. Stain all pieces in stain of your choice.
- 4.) On the 3 pieces that are $\frac{5}{8}$ in wide with the rounded corners, using a black ball point pen, draw a line about $\frac{1}{16}$ in in from the long edge without the rounded corners. Center the line and make it about $\frac{1}{4}$ in to $\frac{5}{8}$ in long. Then at one end of this line, make a dot with the pen. This is the pencil holder and the ink well at the top of the desk surface.
- 5.) Take the plastic pieces and cut apart as shown in the diagram to the right with wire cutters. You will end up with a total of 8 – 3 pronged pieces. You may need to lightly sand the tips so they will sit level. These are the legs for desk. Paint them black.
- 6.) With the fan, carefully cut part of the filigree to create a decoration that will help hold the desk top to the seat in front of it. There are multiple possibilities, so be creative. This wood is very, very fragile, so cut carefully. You will need 6 pieces that are the same. Paint the pieces black.
- 7.) Glue the seat backs to the top of the seats, making sure the rounded edges of the seat are opposite from the seat back. Slightly angles the seat back away from the seat.
- 8.) Glue the desk tops on the top of the seat back and angle slightly down. When partially set, glue the fan decorations into the corner of the desk top and the seat back. Make sure your pencil holder and ink well are on top on the desk.
- 9.) Glue the black plastic leg on to the bottom of the seat on each desk and on the single $\frac{1}{4}$ in strip of wood with all the corners rounded. Adjust as needed to allow desk to sit level.



TEACHERS DESK AND CHAIR

- 1.) Sand all wood pieces to remove feathers.
- 2.) For the desk, glue the two thicker pieces, one on each end of the thin $\frac{1}{2}$ in wide piece of wood. These form the sides of the desk. The thick pieces should fit from front to back. Then glue the second thin $\frac{1}{2}$ in piece to one edge of the other thin piece and covering the 2 larger blocks. It should look like a desk with a place to put the teacher's legs under the desk top. May need to sand to even up all the edges.
- 3.) Take 4 of the decorative tooth picks and cut off at the decorative end to a length of $\frac{5}{32}$ in. Glue to the underside of the desk, on the thick blocks of wood at each end to create feet for the desk.

- 4.) With the 3/32 in strip of wood, cut 6 pieces that are 3/32 in. Glue to the exposed end of the thick parts of the desk. These are the drawer of the desk. Paint whole desk in color of your choice. When dry, apply tiny no-hole beads to center of each draw for drawer pulls.
- 5.) For the chair, slightly round off each corner of the tiny piece of wood. Glue the needle point canvas to one flat side of the wood seat.
- 6.) Cut off ¼ in from the decorative end of the 4 toothpicks and glue into each of the holes of the needle point canvas. As the glue sets, slightly angle the legs out.
- 7.) Cut off the bottom of the clip style earring back so it is about a ½ in from the top rounded end. Using super glue, attach to one of the 4 sides of the chair seat. Paint chair in same color as the desk or another color of your choice.

BLACK BOARD

- 1.) Stain the 2 pieces of woods in the bag.
- 2.) Frame one long and the 2 short sides of the black paper with the 1/16 in wide strip wood. The paper is glued to the narrow side of the wood. The wood on the short sides of the paper should be even with the bottom of the paper without any wood.
- 3.) Glue the shaped piece of wood along the bottom edge of the black paper with the divot side up. This is the where the chalk sits.

FINISHING

- 1.) If desired, write something on the blackboard using a white pencil. Glue on the wall opposite of the door, just above the wainscot. Make sure the chalk tray is on the bottom.
- 2.) Glue the teachers chair in the corner under the chalk board and the desk right in front of the chair.
- 3.) Glue the school desks in a row in front of the teacher's desk.
- 4.) Glue the American flag to the straight pin, with the head of the pin as the top of the flag pole. Using a T-pin, pierce a small hole on top of the door and glue the flag pole into the hole at a slight angle.
- 5.) You have maps of the world and the USA on two different colors of paper, use which ever you prefer. Cut up and apply to the school room walls as desired.
- 6.) You have the alphabet on two different colors of paper, uses which ever you prefer. I used decorative scissor to cut around the letters and then glued it to a colored piece of paper for contrast. Glue where you would like.
- 7.) Glue your crayon box to the base where you have left a space for it.
- 8.) Finish any decorations and additions to the school room you would like.
- 9.) Thank you for taking this class and ENJOY you new school room in a crayon box.