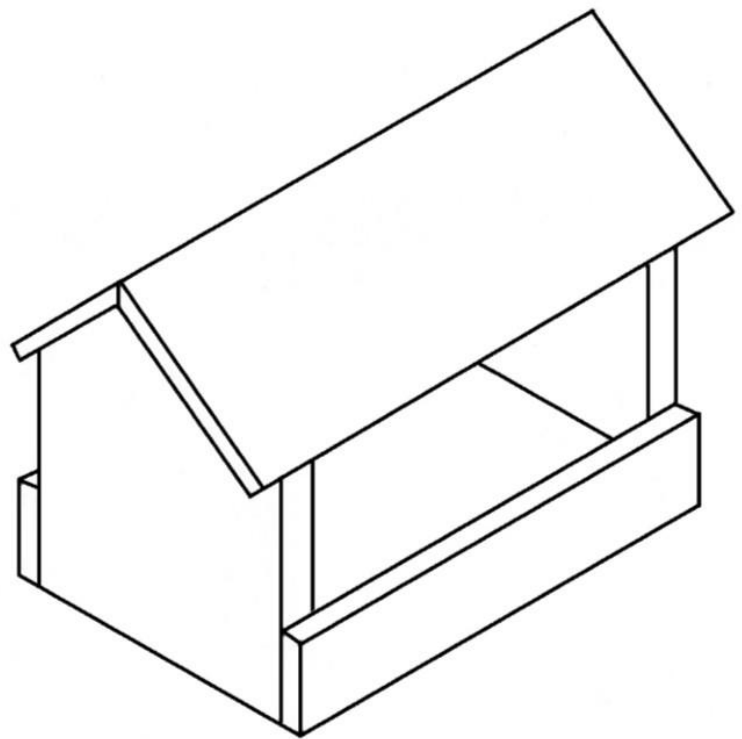


The Elementary Woodshop

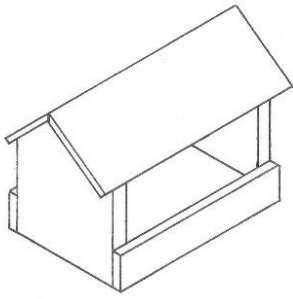
Applied Design, Skills and Technologies

Reference Guide for Teachers

BIRD FEEDER



Recommended Reading Prior to Beginning Workbook and Assembly



Bird Feeder Reference Guide for Teachers

For a successful experience in your classroom it is recommended that you work through the accompanying Workbook and this Reference Guide prior to presenting the project to students.

As you work through the Workbook, it would be beneficial to assemble the woodwork project so you are better equipped to teach the assembly to your students. You may temporarily hold the wood pieces together using masking tape rather than glue and nails which are required for permanent assembly with this woodwork project. The recommended drying time for wood glue is a minimum of 30 minutes.

A hammer is required for this project and it is recommended that students work together to build their bird feeders; one holding the parts while the other hammers the nails into place. As wood may splinter it is advisable to handle wood with care and have tweezers available in case of slivers.

Bird Feeder Reference Guide for Teachers



Section 1

Bird Habitat

Page 4

Traditional Aboriginal Perspectives and Knowledge of Birds

Section 1 (Page 4) discusses traditional Aboriginal perspectives and knowledge of the raven. This may be an opportunity for your students to discuss legends about birds or animals in local culture.

Section 2 Math

Measuring

Page 6

***NOTE TO TEACHER** - *Distribute bird feeder Parts A, B, C, D to students.*

Page 7

Parts List			
Part	Length	Width	Thickness
A	117 mm	86 mm	12 mm
B	158 mm	32 mm	9 mm
C	144 mm	86 mm	4 mm
D	178 mm	73 mm	9 mm

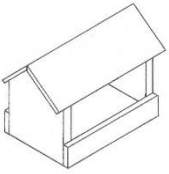
Geometry

Page 8

Angle A **120°**

Angle B **120°**

Angle C **90°**



Bird Feeder Reference Guide for Teachers

Section 3 Materials Technology

Page 11

2. **eg. cabinets, coffee table, kitchen table, dresser, baseball bat**

***NOTE TO TEACHER** - *Distribute hardwood samples.*

3. **Maple –faint grain, colour off white**

Oak – porous grain, colour golden

Walnut – fine grain, colour brown

Section 4 Technical Drawing Pre-Assembly

Page 19

Width 86 mm, Height 117 mm, Thickness 12 mm

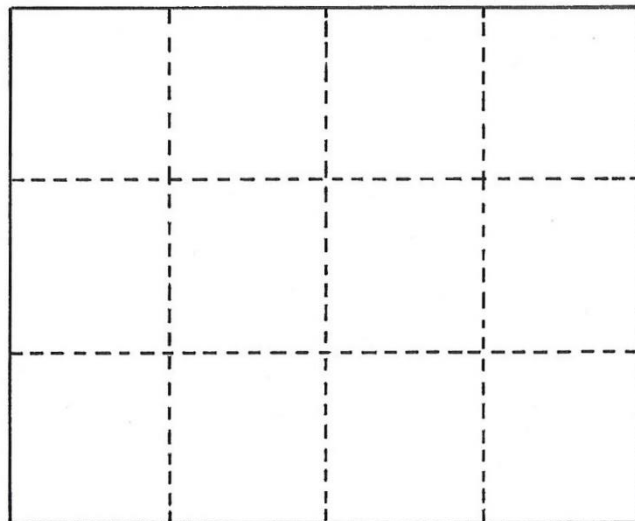
Section 5 Assembly

Page 21

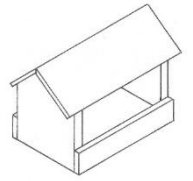
If a hammer were to hit a nail incorrectly the nail may fly into or near the eyes. Dust and wood particles may also enter the eyes.

Page 25

Mark and cut sandpaper as in diagram to fit sanding blocks:



Bird Feeder Reference Guide for Teachers

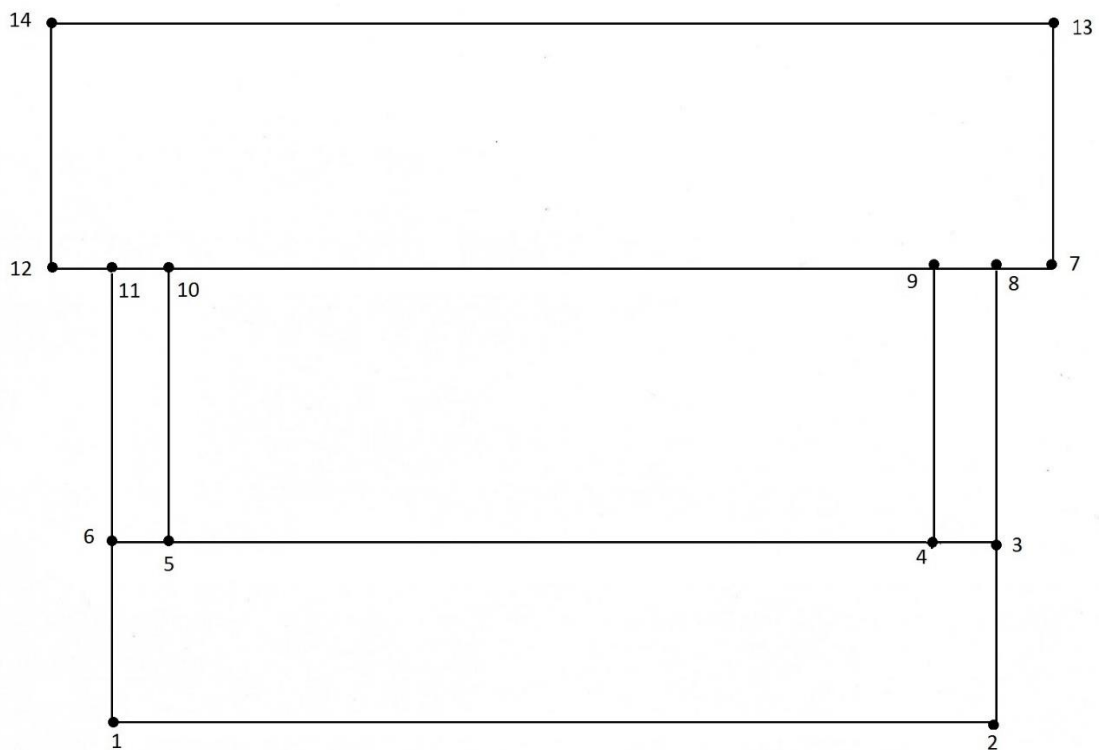


***NOTE TO TEACHER** – *Distribute sanding blocks and pre-cut sandpaper.*

Discuss different grits of sand with students. Larger grit is used first on rough wood; smaller grit is used for smooth finishing.

Section 6 Technical Drawing Post-Assembly

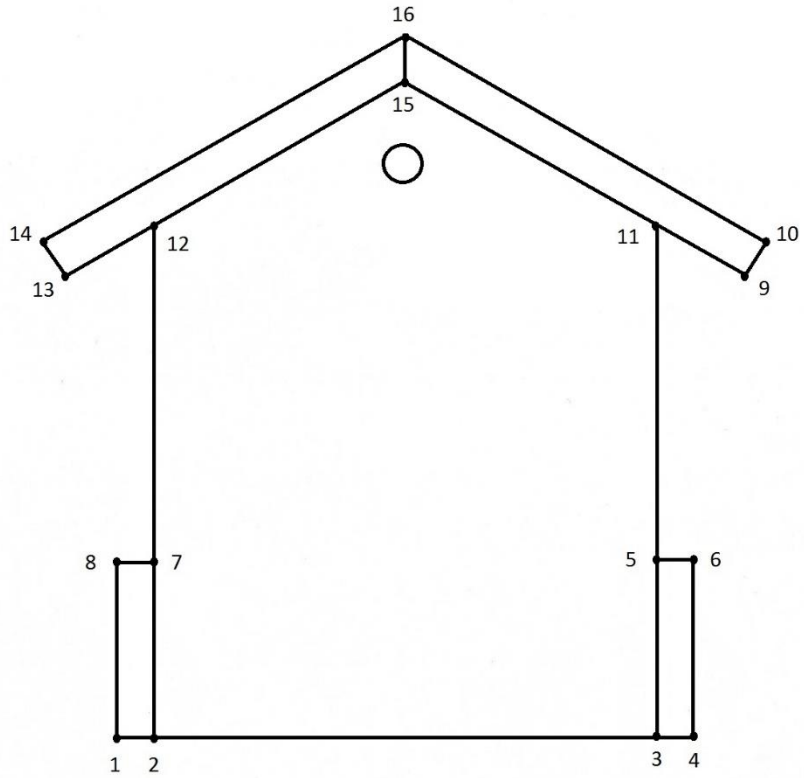
Page 33





Bird Feeder Reference Guide for Teachers

Page 35

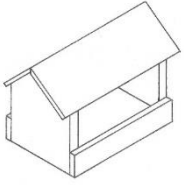


Section 8 Introduction to Trades

Page 41

Carpenter

Welding



Bird Feeder Reference Guide for Teachers

References

Province of BC Ministry of Education New Curriculum Building Student Success <https://curriculum.gov.bc.ca/>

Squamish Lil'Wat Cultural Centre, Whistler, BC
<https://slcc.ca/>

Herb Rice, Coast Salish Artist, Cowichan Valley, BC
www.coastsalishjourney.com

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Carrie Reid, Indigenous Education Resource Teacher

Illustrations by Peter Farkas, B.Ed. and Dale Schulz, DaschStudio

Raven drawing by Herb Rice, Coast Salish artist, Cowichan Valley, BC
www.coastsalishjourney.com