



Modular Design



Arrow of Light Adventure Workbook

No one may add or subtract from the official requirements found in the *Cub Scout Webelos Den Leader Guide*. Requirements were issued in April 2021. This workbook was updated in May, 2021.

<http://www.USScouts.Org>

Please submit errors, omissions, comments or suggestions about this **checklist** to: Workbooks@USScouts.Org
Comments or suggestions for changes to the **requirements** should be sent to: Advancement.Team@Scouting.Org

Cub Scout's Name: _____ Pack No. : _____

Source for requirements: <https://www.scouting.org/programs/cub-scouts/preview-adventures/modular-design/>

This adventure is an preview adventure which can be used while in the Arrow of Light program .

Complete the following requirements:

1. Learn what modular design is

and identify three things that use modular design in their construction.

1.	
2.	
3.	

2. Identify three benefits of using modular design.

1.	
2.	
3.	

Checklist © Copyright 2021 - U.S. Scouting Service Project, Inc. - All Rights Reserved
Requirements © Copyright, Boy Scouts of America (Used with permission.)

This checklist may be reproduced and used locally by Scouts and Scouters for purposes consistent with the programs of the Boy Scouts of America (BSA), the World Organization of the Scout Movement (WOSM) or other Scouting and Guiding Organizations. However it may NOT be used or reproduced for electronic redistribution or for commercial or other non-Scouting purposes without the express permission of the U. S. Scouting Service Project, Inc. (USSSP).

- 3. Using modular-based building pieces, build a model from a set of instructions.
- 4. Using modular-based building pieces, build a model without using a set of instructions. The model may represent something real or imagined.
- 5. Using the model you made in requirement 4, create a set of step-by-step instructions on how to make your model.

- Have someone build your model using your instructions.
- 6. Share your model with your den and/or family. Explain what your model is designed to do.

- 7. Without building it, design a model that uses modular-based building pieces.
- Create a set of step-by-step instructions.

- 8. With your parent or legal guardian's permission, watch a video demonstrating how something was built using modular design.

