Engineering

CUB CHAT LIVE!

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MAY 9, 2025

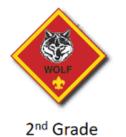


STEM Adventures

BOLD indicates new adventure *Italics* indicate existing adventure













4 th Grade	5 th	Grade
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STEM						
Science	Ready Set Grow	Sky Is the Limit	Digging in the Past	Forensics	Earth Rocks!	Into the Woods
Technology	Everyday Tech	Tech All Around	Computing Wolves	Top Chef Tech	Tech on the Trail	High Tech Outdoors
Engineering	Gizmos and Gadgets	Designed by Tiger	Air of the Wolf	Baloo the Builder	Modular Design	Engineer
Math	Count on Me	Stories in Shapes	Code of the Wolf	Balancing Bears	Math on the Trail	Estimations

Be a Engineer

ADVENTURE	EXPERIENCE
Gizmos and Gadgets	Explore Newton's Laws of Motion
Designed by Tiger	Use Engineering principles of Designing, Building and Improving
Air of the Wolf	Explore the fundamentals of Flight
Baloo the Builder	Learn to build things out of Wood
Modular Design	Understand and apply principles of Modular Design
Engineer	Learn about different Engineering fields and act like an Engineer

Gizmos and Gadgets

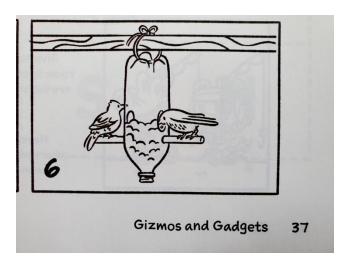
Newton's Laws of Motion







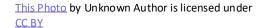




Designed by Tiger

Designing, building, improving

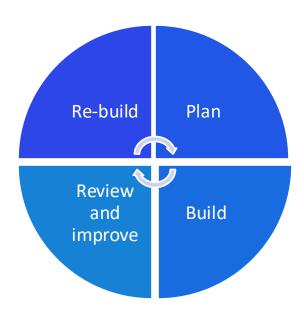




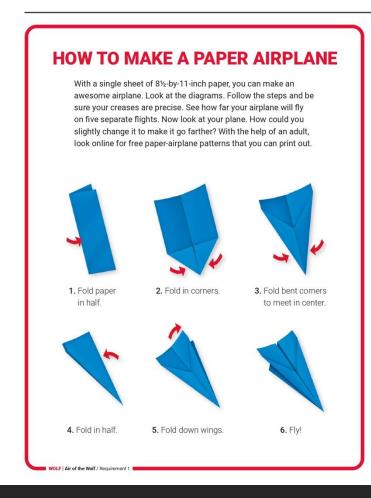


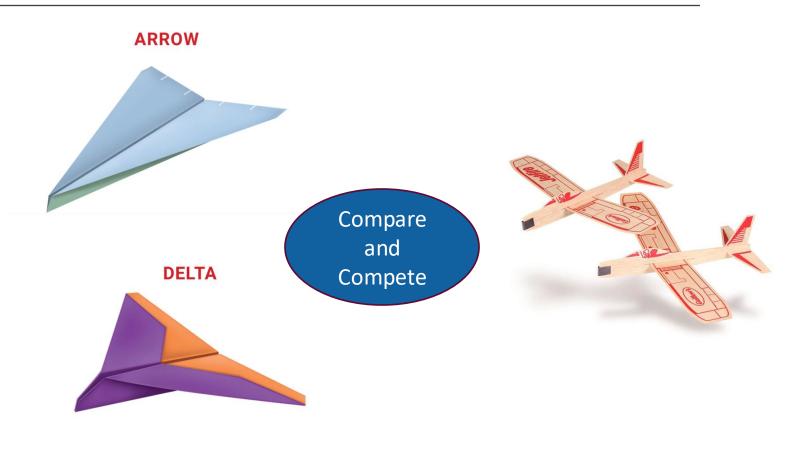






Air of the Wolf Designing to fly



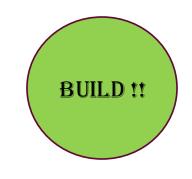


Baloo the Builder Tools and their use









Choose a project Identify tools and materials needed

Modular Design Fundamentals



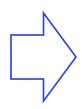
What is modular design?

Benefits

Examples



Free form construction

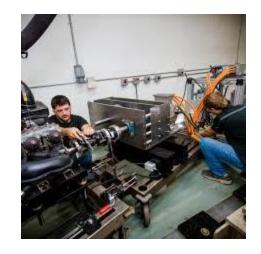


Instruction set



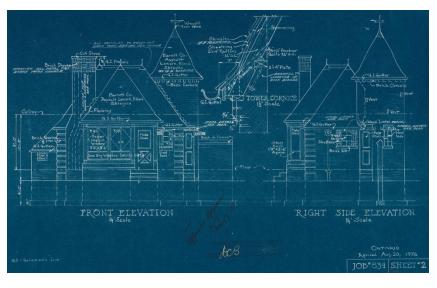
Validation

Engineer All about engineers



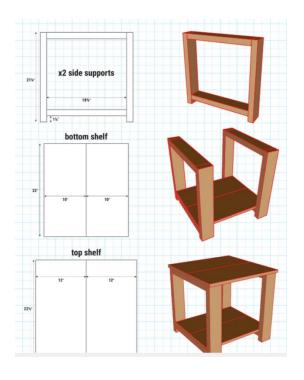
Meet an Engineer

Civil Engineering
Electrical Engineering
Mechanical Engineering



Sample Blueprint





Resources

Multi-rank Den Guide:

https://drive.google.com/drive/folders/1YWnFC89pRIOIXb1Hsym4iG8Bc3EiliK1?usp=sharing

Cub Scout Den Meeting Resources: https://www.scouting.org/programs/cub-scouts/adventures/

Den Meeting Resources: https://www.scouting.org/programs/cub-scouts/den-meeting-resources/

Cub Scout Song Book Audio: https://soundcloud.com/user-973700341/sets/cub-scout-song-book

Annual Pack Programming Conference Roundtable Video: https://vimeo.com/499382831

Cub Scout Committee Chair Module (on Annual Program Planning for Cub Scouting): CS19

Facebook Groups

- Cub Scouting Tips and Tricks
- Cub Scout Volunteers
- Cub Scout Leaders Scouting Cubmasters Den Leaders