

Maintaining and Sharpening Garden Tools

A sharp, well-maintained garden tool makes work easier and safer.
Let's learn how to properly and safely keep up your tools for years
of use.

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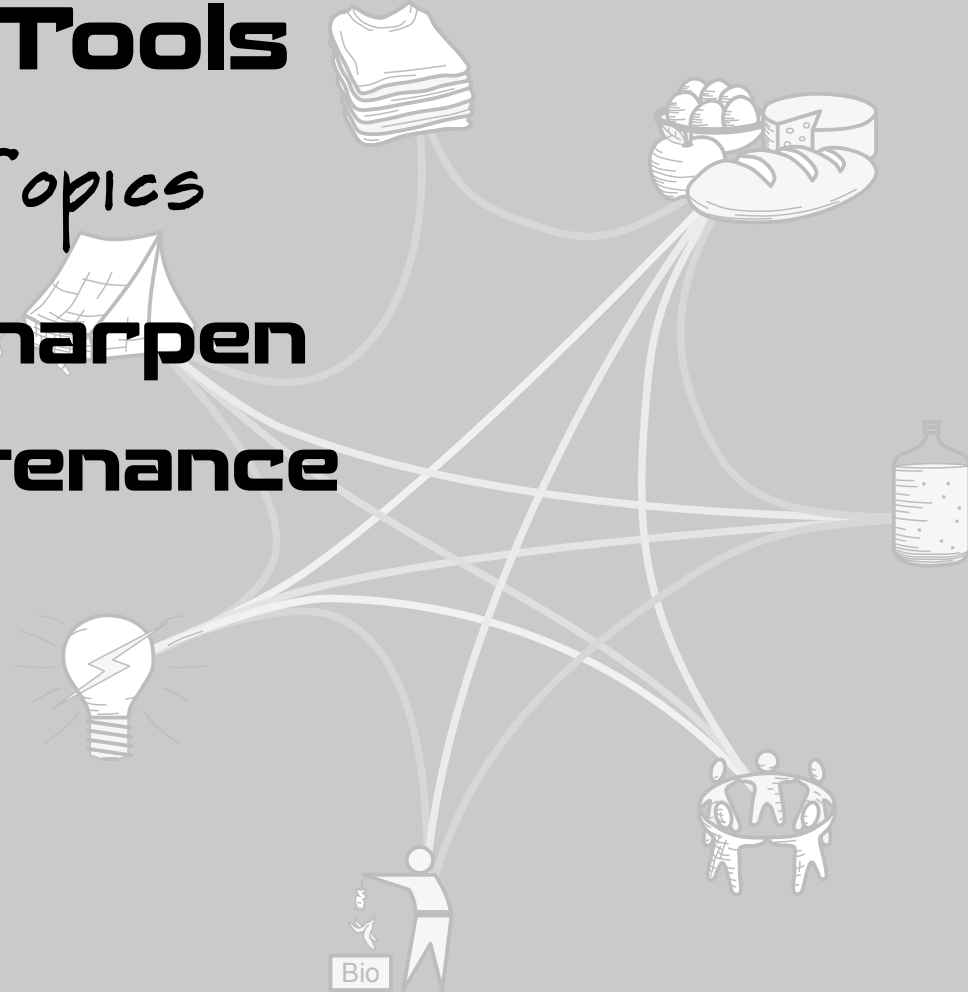
Todd Fleming

@foxwedgewoodworking

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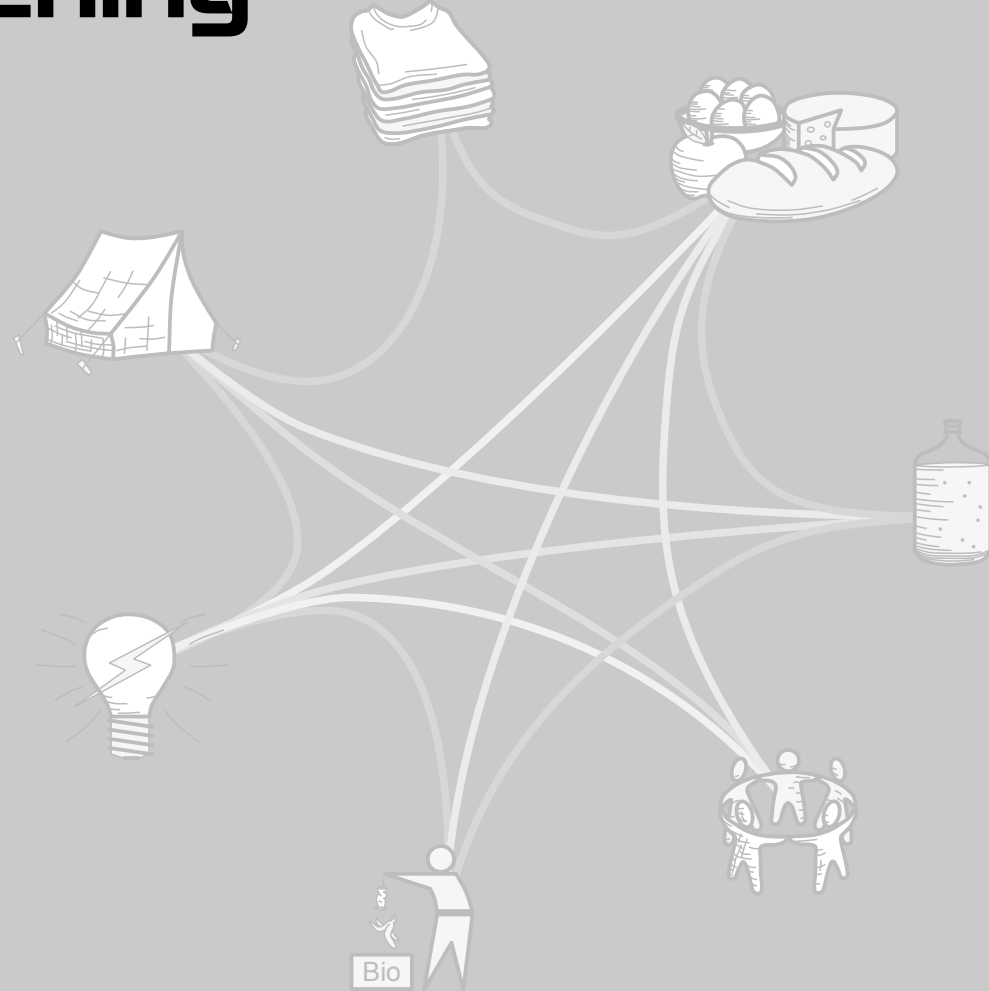
Today's Topics

How to Sharpen
Tool Maintenance



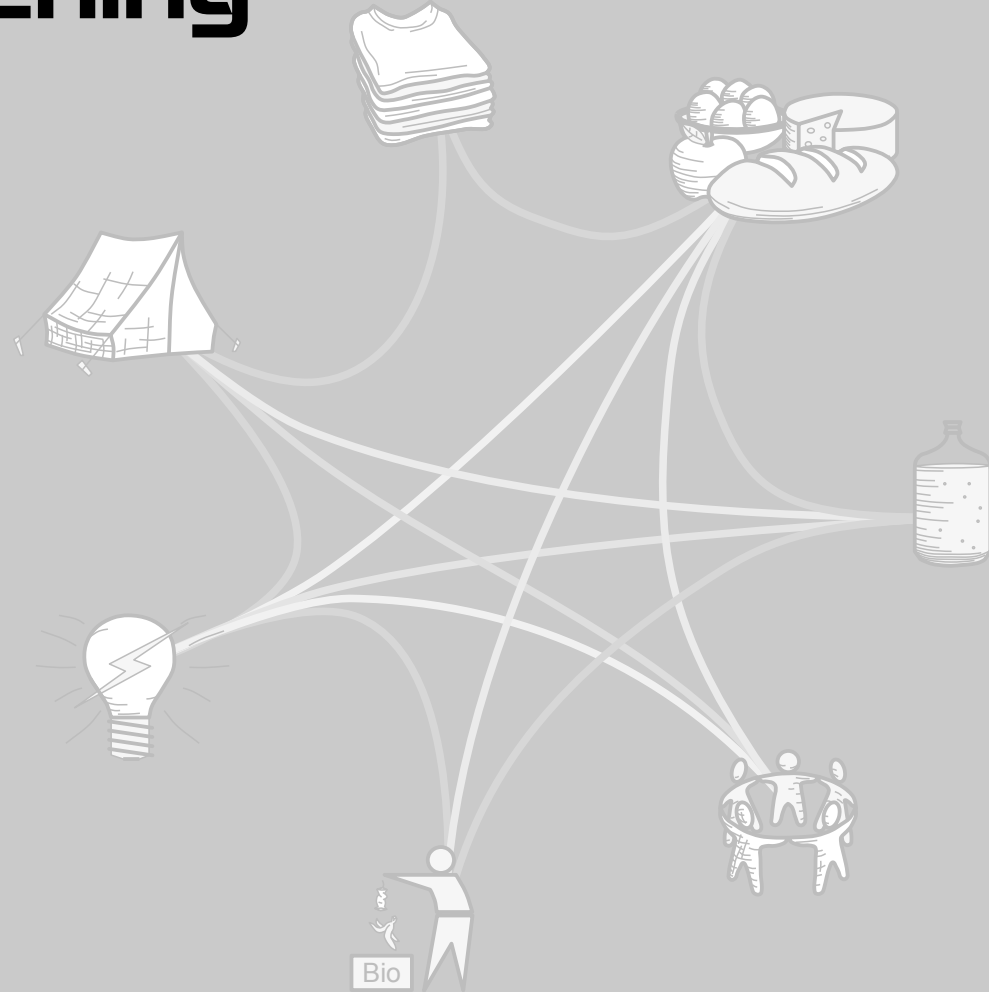
Sharpening

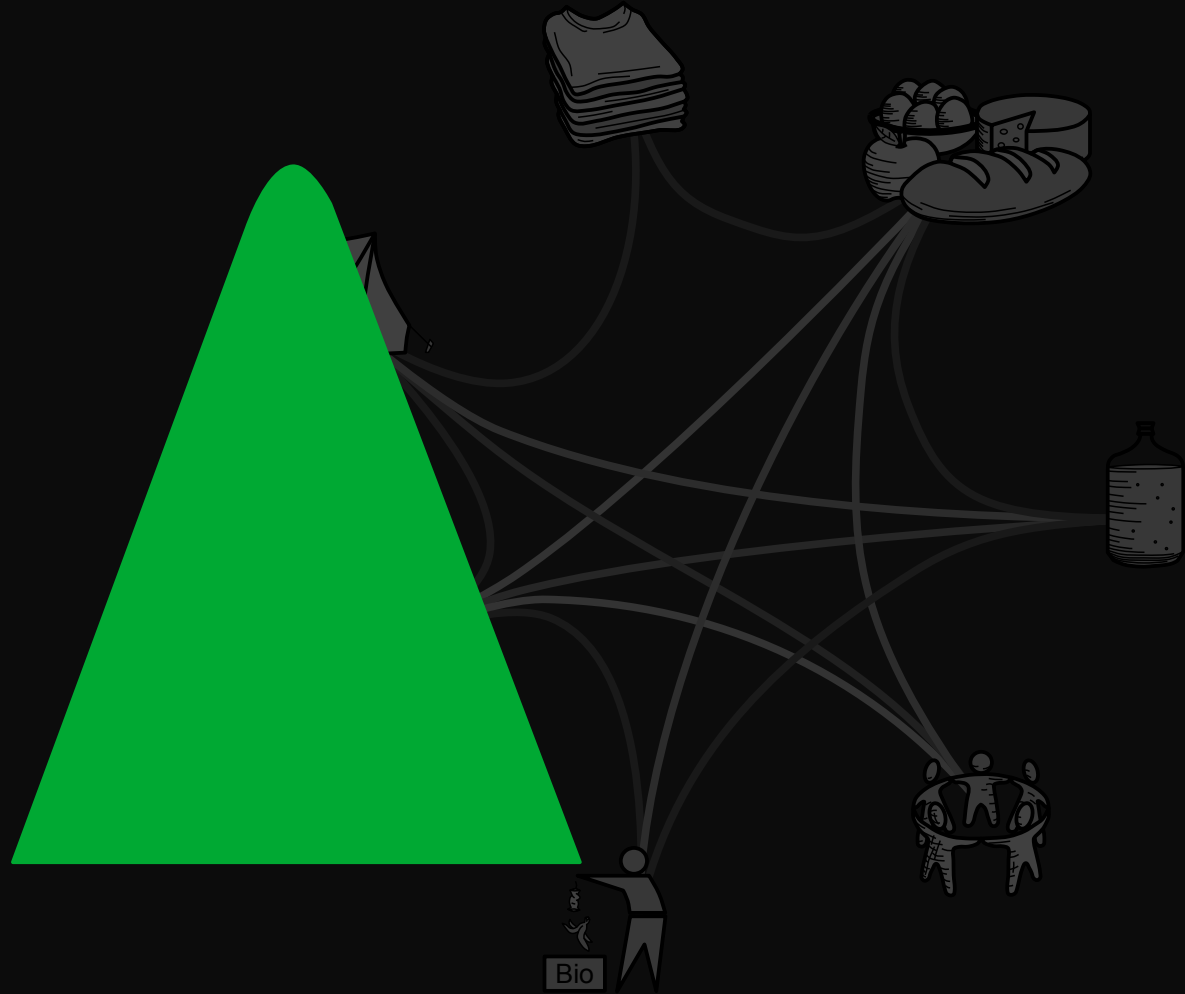
- Benefits

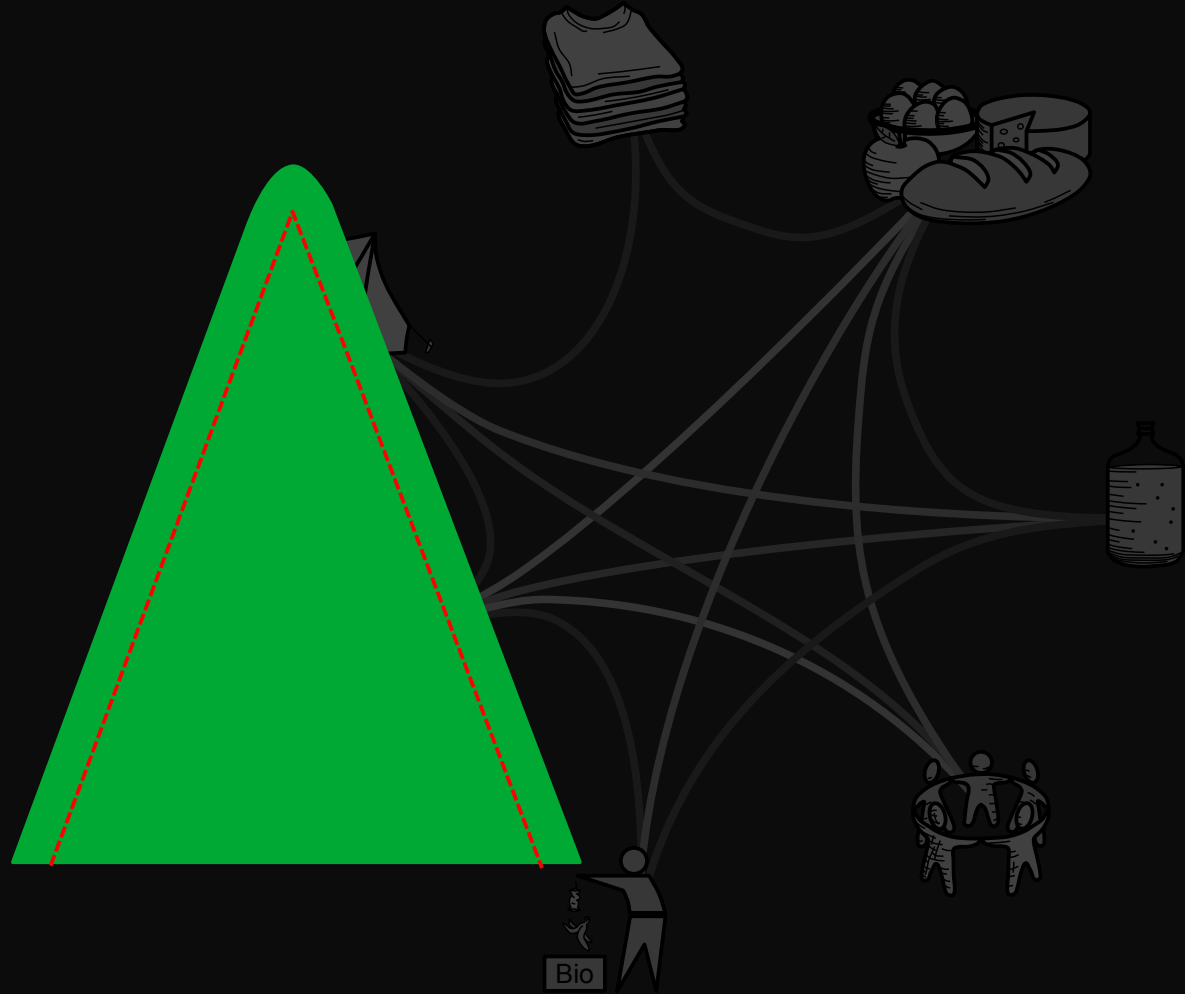


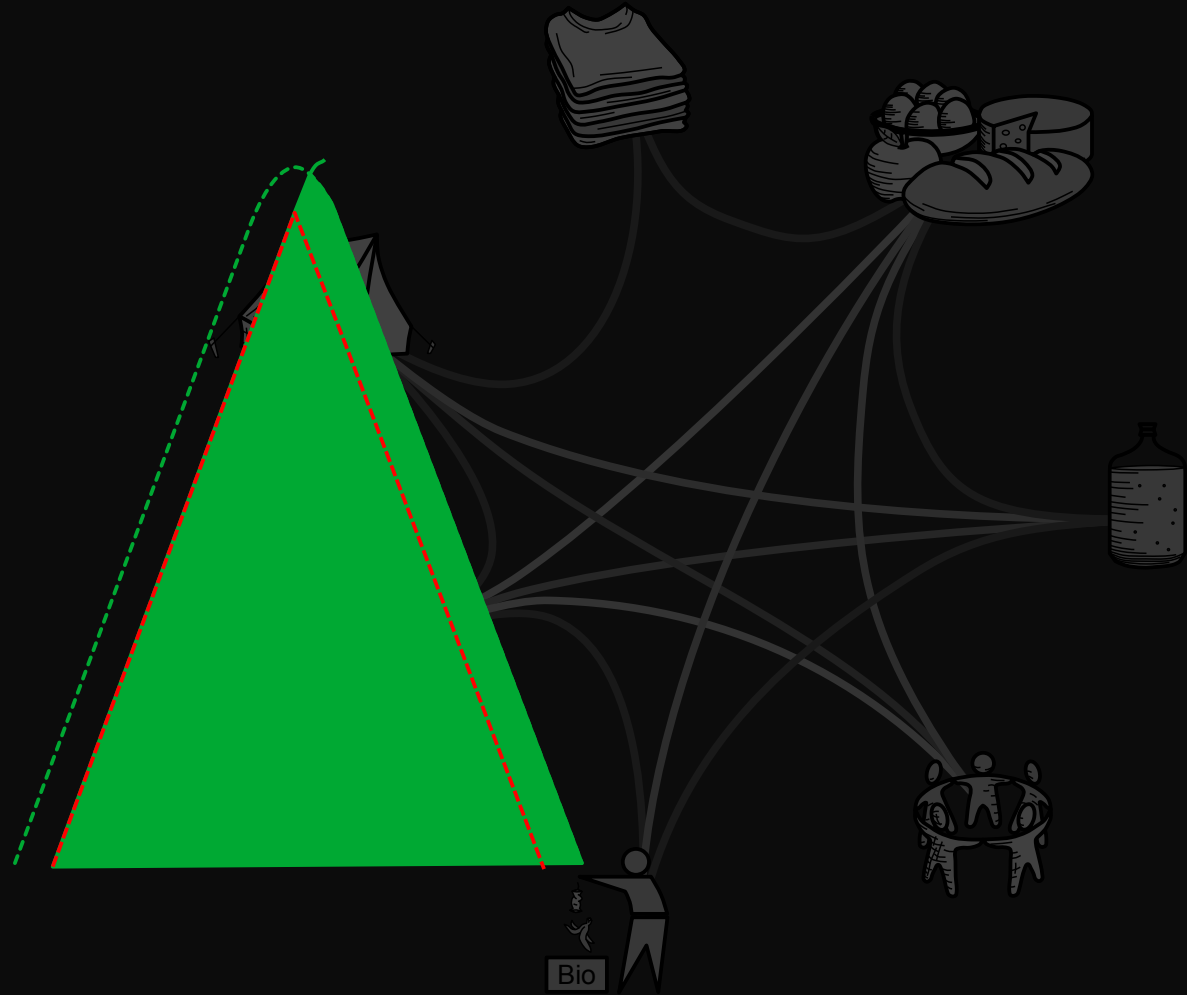
Sharpening

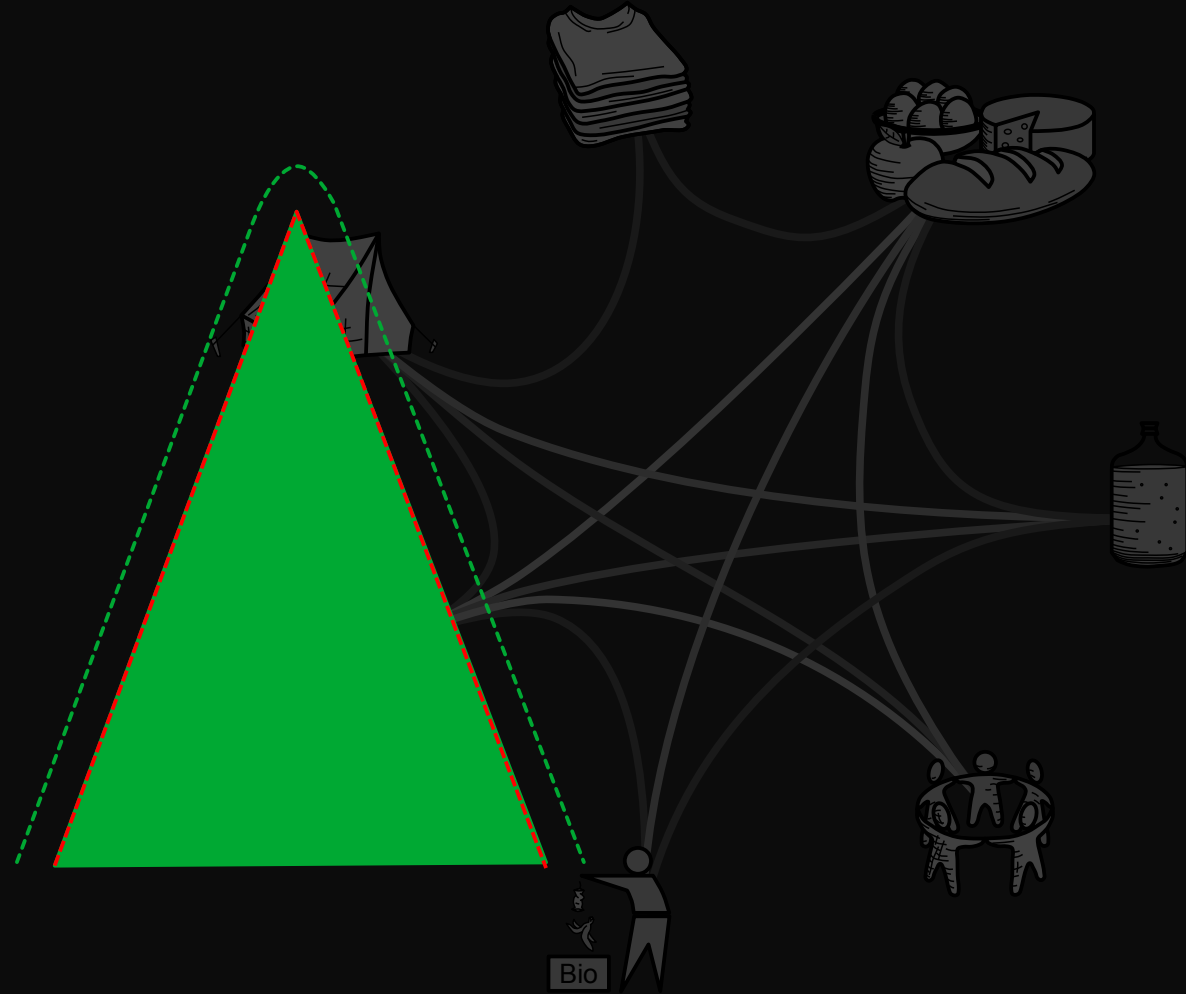
- Benefits
- What is Sharpening?











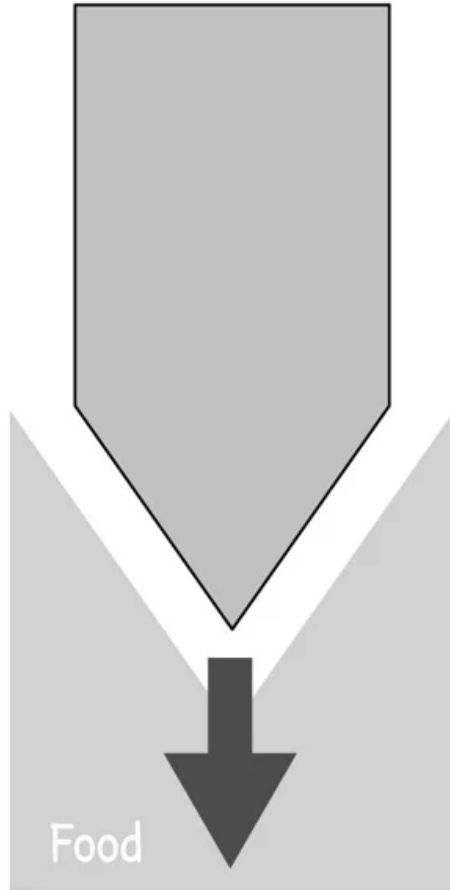
DOUBLE BEVEL

Suitable for

Cutting

Chopping

Blade moves in a vertical direction when force is applied



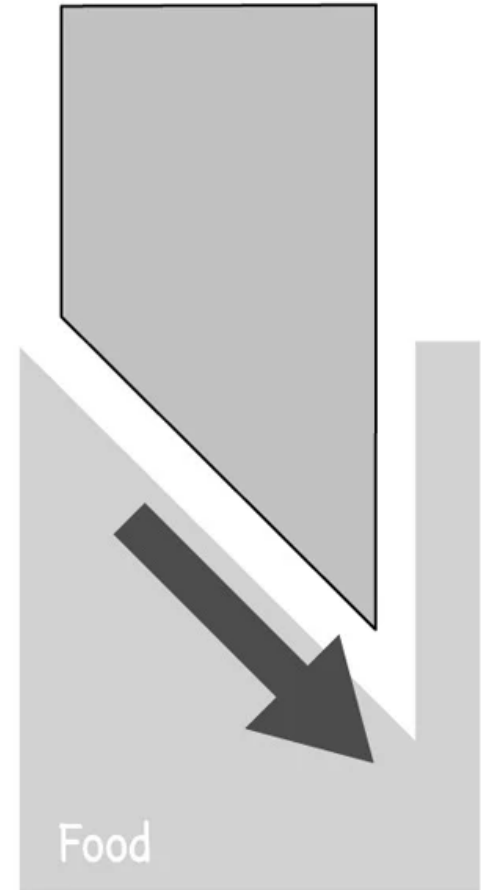
SINGLE BEVEL

Suitable for

Shaving

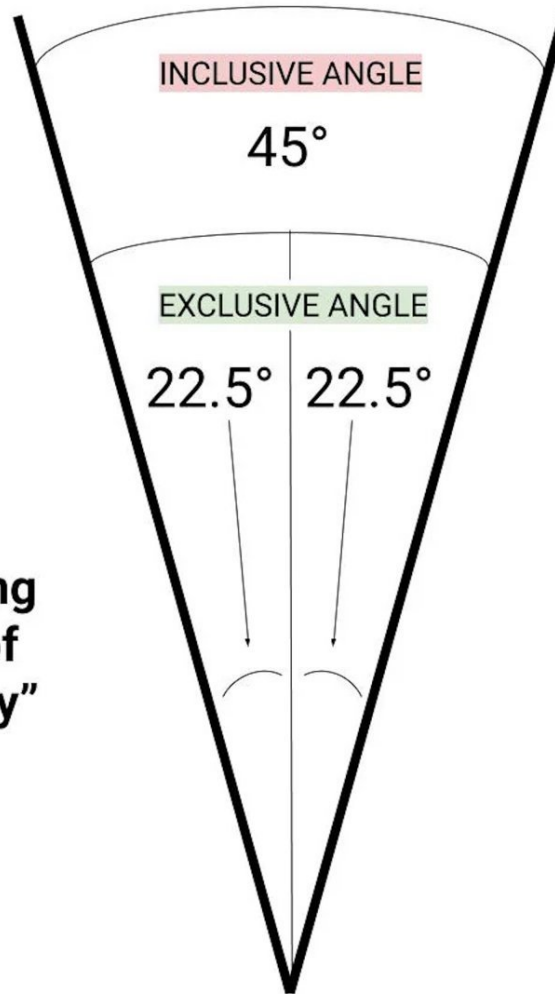
Peeling

Blade will move towards the direction of the unbeveled side when force is applied

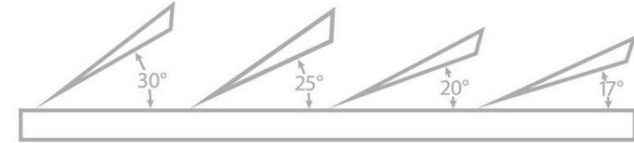


The **Inclusive Angle** measures the angle using the outer planes, "sides", of the blade

The **Exclusive Angle** measures the angle using one outer plane, side, of the blade and "Imaginary" center line.



Sharpening Angles



30° Recommended for heavy duty use.

25° Ideal for hunting and outdoor knives.

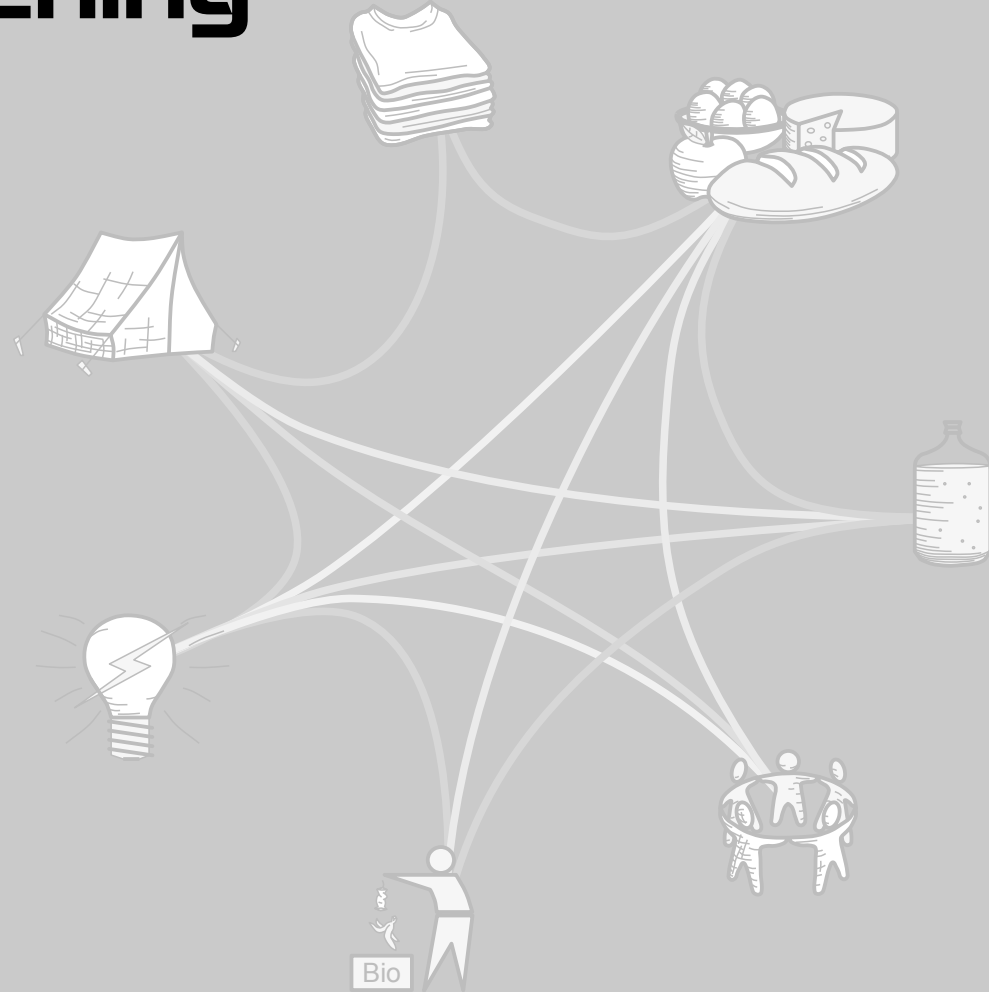
20° Provides an excellent edge for kitchen cutlery.

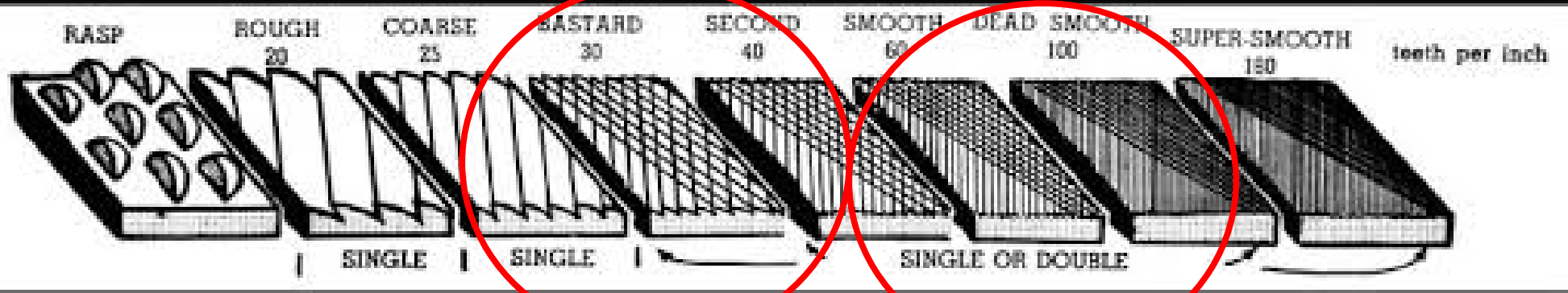
17° A serve angle recommended for fillet knives, razor blades.

	Single Bevel	Double Bevel
Shallow Angle (20-25°) Slicing, Cutting	Bypass Pruner Hedge Shears	Machete Billhook Knife
Moderate Angle (30°) Chopping	Bypass Loppers Edger Trowel Scuffle Hoe Post-Hole Digger Axe/Hatchet	Anvil Loppers

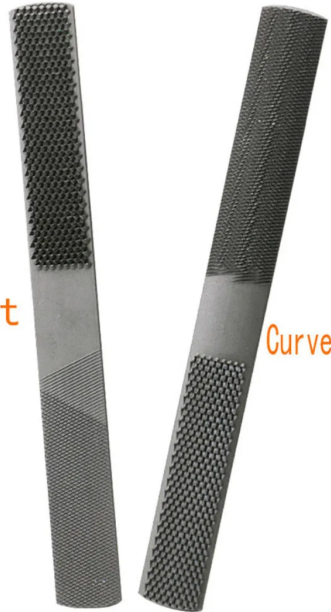
Sharpening

- Benefits
- What is Sharpening?
- Basic Supplies

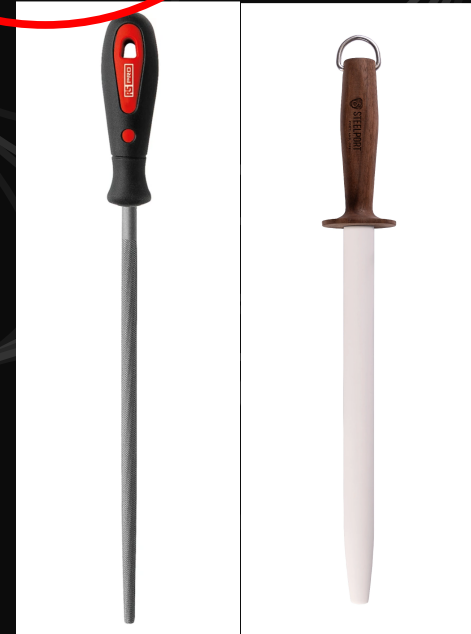




Flat



Curved surface



Bio

Sharpening

- Benefits
- What is Sharpening?
- Basic Supplies
- Fundamentals and Basic Steps



Basic Steps

- Clean tool, ready supplies, don PPE (eyes, hands).
- Identify bevels, angle, and intensity of resharpening needed.
- Work from coarse to fine.
- Start with coarse and/or fine file, if needed.
- Finish with coarse, then fine water stone.
- Apply oil.



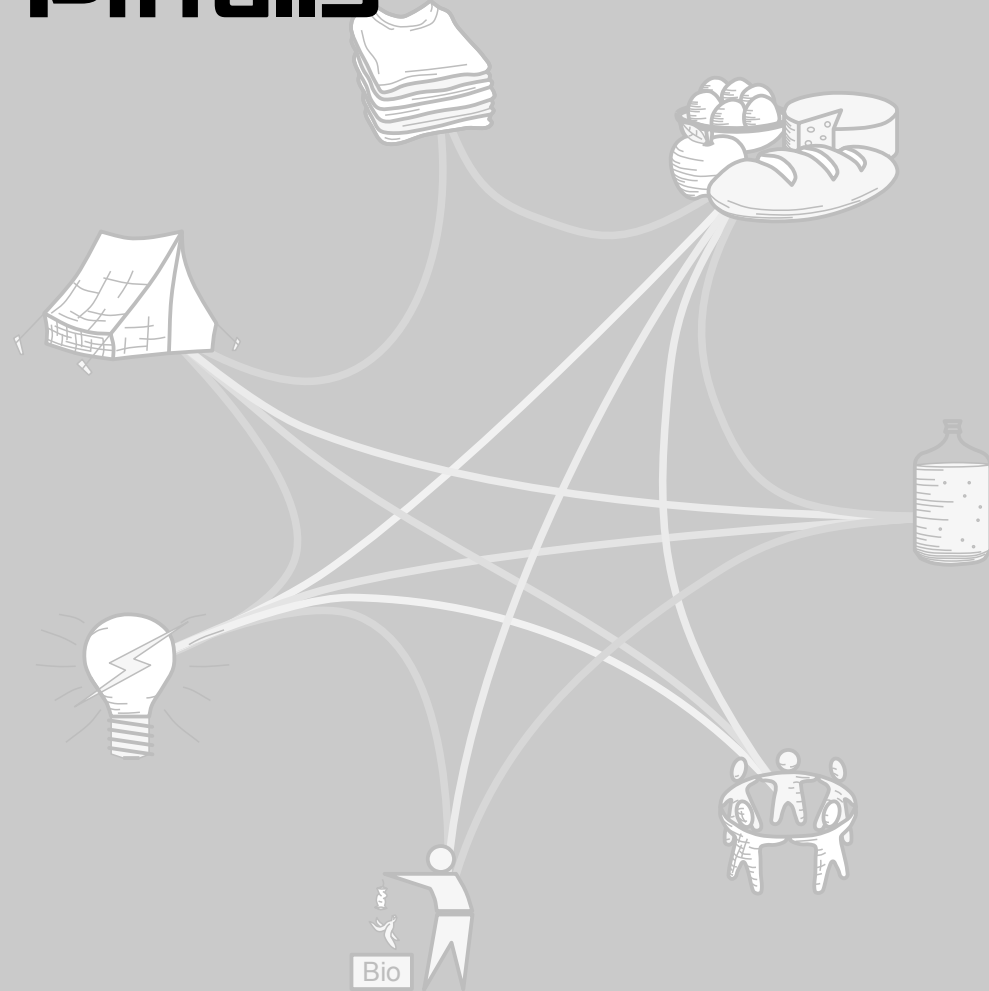
Sharpening

- Benefits
- What is Sharpening?
- Basic Supplies
- Fundamentals and Basic Steps
- Common Pitfalls



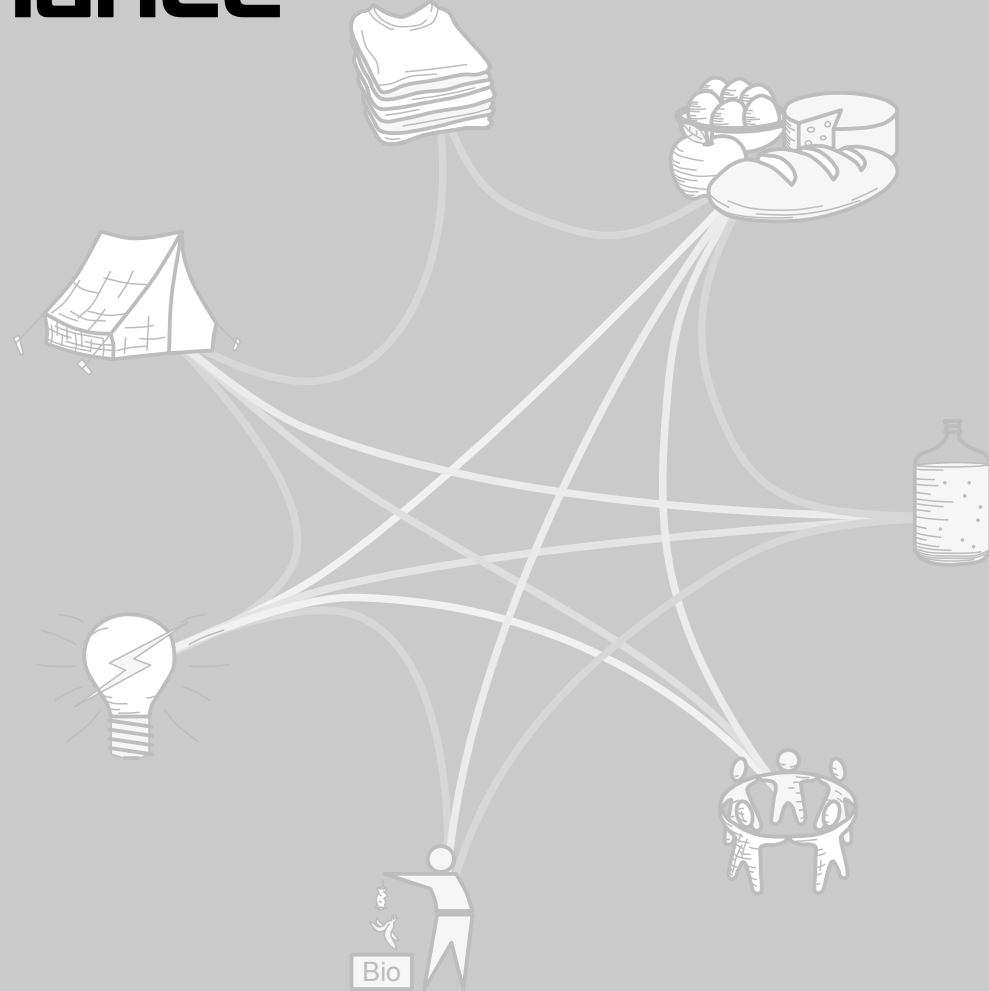
Common Pitfalls

- Overusing bench grinder
- Wrong angle or bevel
- Over sharpening
- Unsafe practices



Maintenance

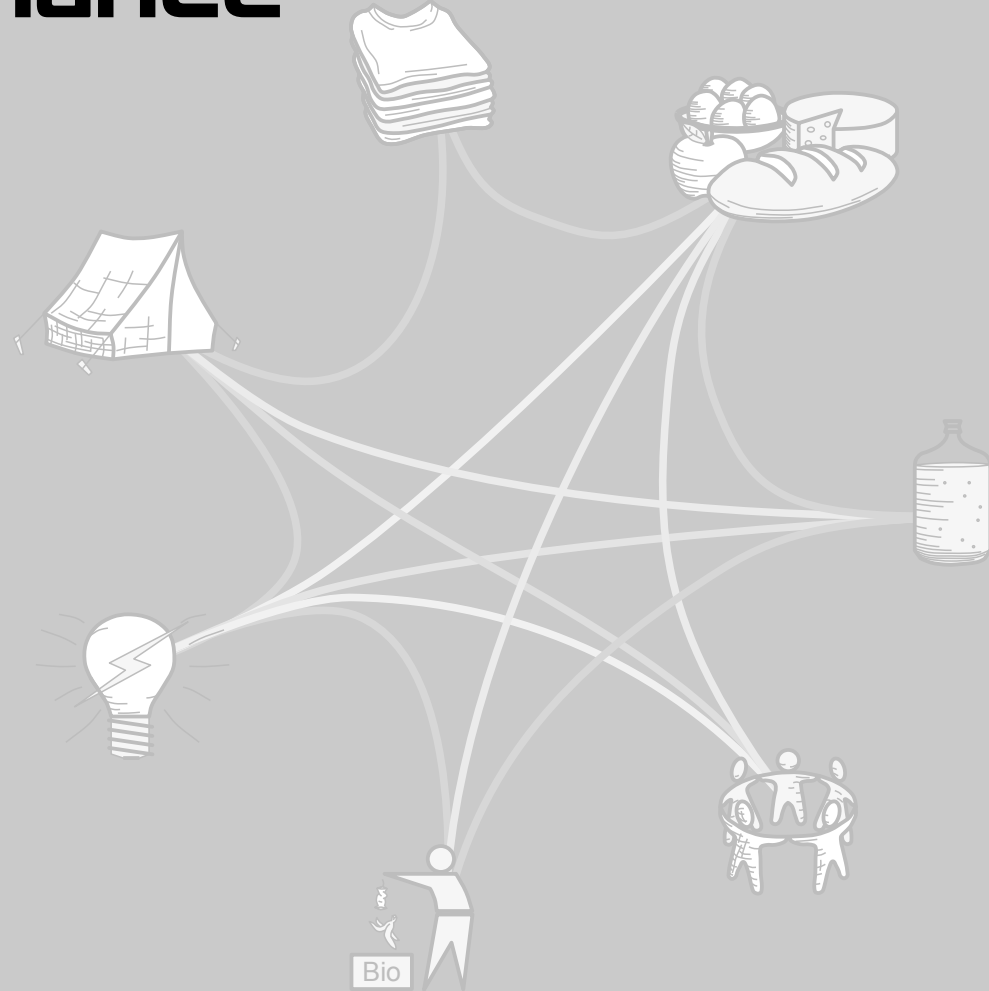
- Basic Supplies





Maintenance

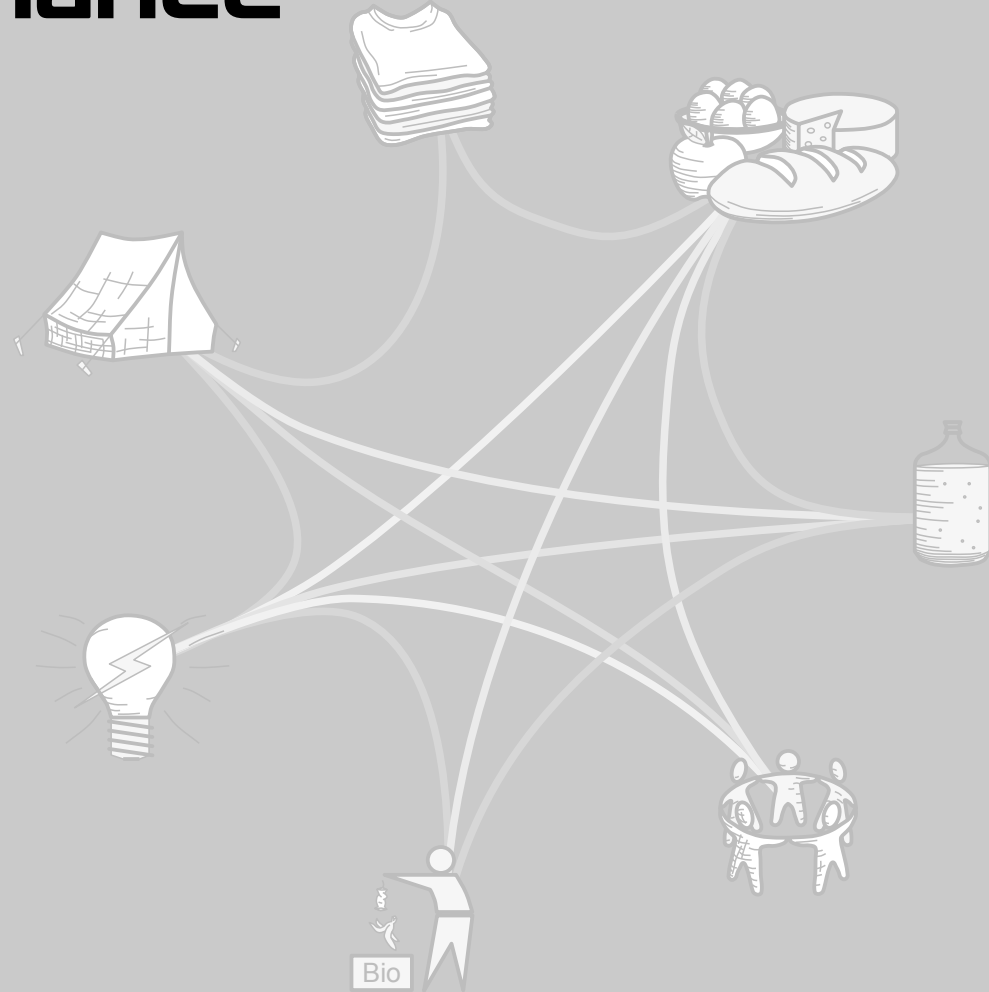
- Basic Supplies
- Mechanical





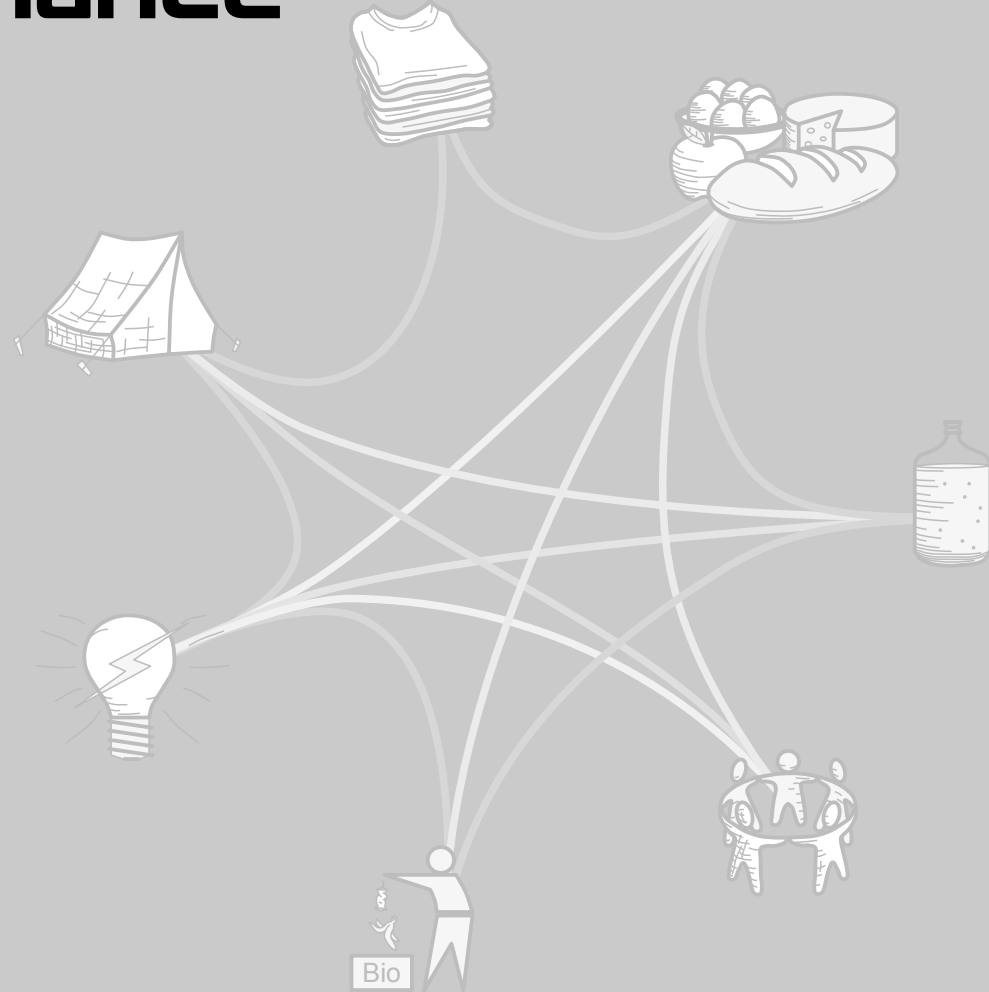
Maintenance

- Basic Supplies
- Mechanical
- Rust & Coatings



Maintenance

- Basic Supplies
- Mechanical
- Rust & Coatings
- Use and Storage





HOW TO MAKE A RAG-IN-A-CAN OILER

Paul Sellers.



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