

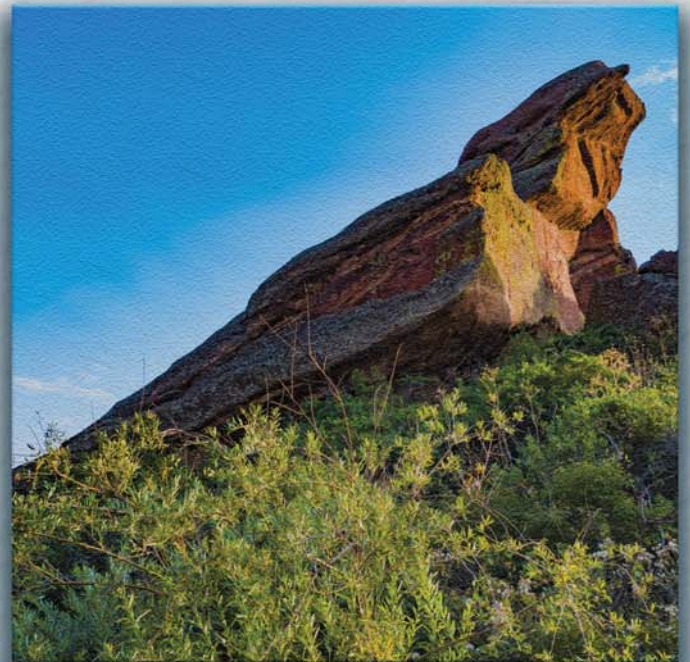


Re DESIGN Your
CLIMB
a biomimetic challenge journal



How to use this journal:

On the blank spaces and spare pages of this Challenge Journal jot notes from your research, findings, experiments and imaginings. Save every snippet of thought and info you collect and generate, because you never know when you'll need to rediscover your initial ideas and your early inspirations. Towards the end of this text you'll find a space for citations – mark them accurately! You want to be able to re-collect those scraps of research when you need them again. And when someone doubts what a mountain goat can do, you want to know what to pull up to prove it to them.

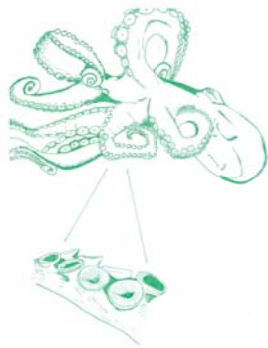




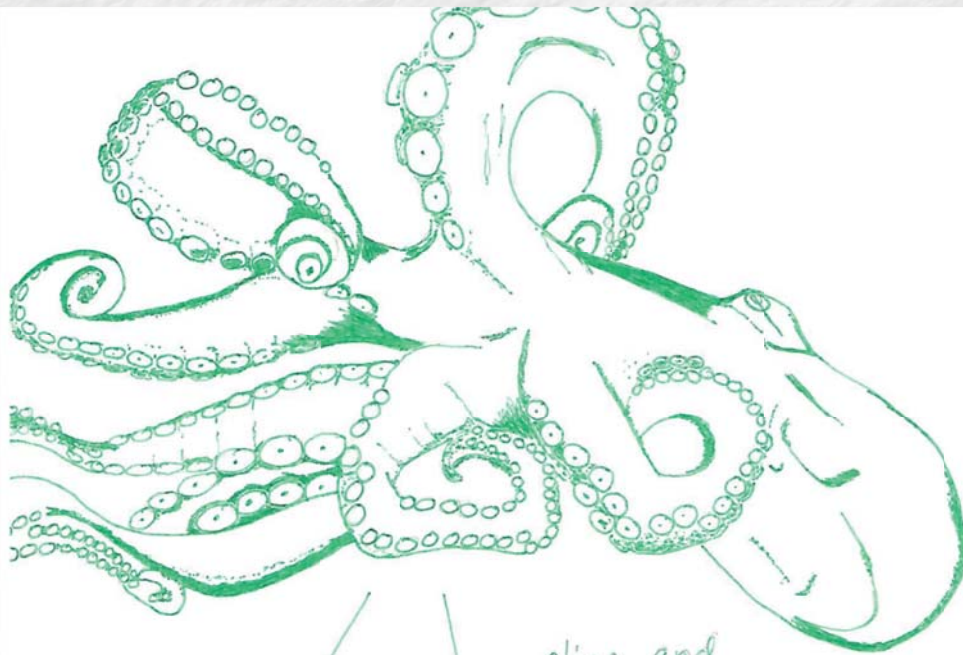
How to use this journal:

Sketch your prototypes as clearly as you can imagine them.

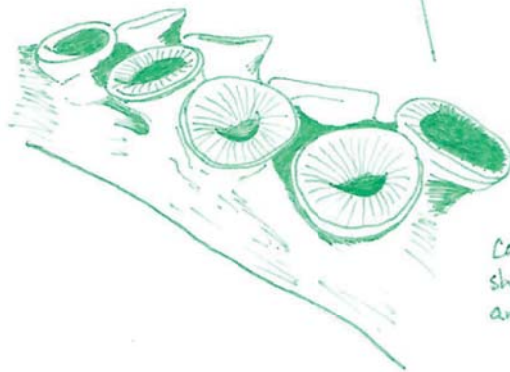
Jot a little pic of any animal, insect, bird, fish or plant that inspired your invention, as you go, as a way of thanking & honoring the organisms whose mad skills earned your respect. If you copy a natural pattern, process or system, like the way ivy makes its slow way up a sheer vertical surface, note that, too.



Re DESIGN Your
CLIMBING gear



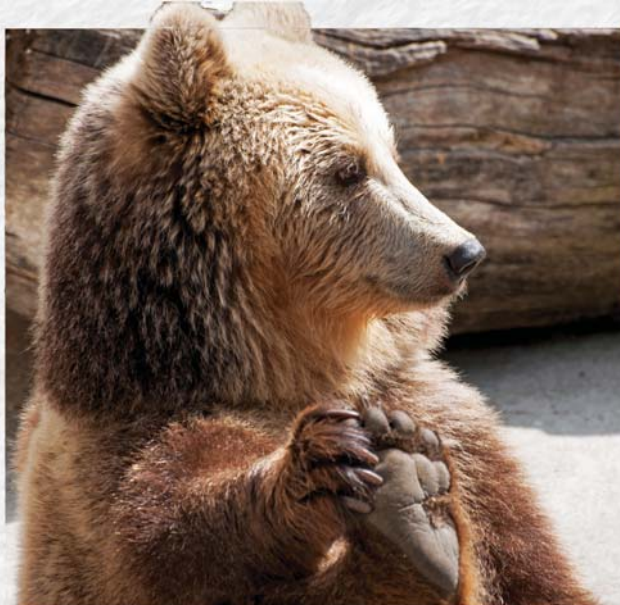
cling and
grasp with
muscular suckers



flexible skin conforms to
surface, forming a seal

Contracting muscles change the
shape of sucker, increasing pressure
and generating suction





CLIMBING bear
Inspiration



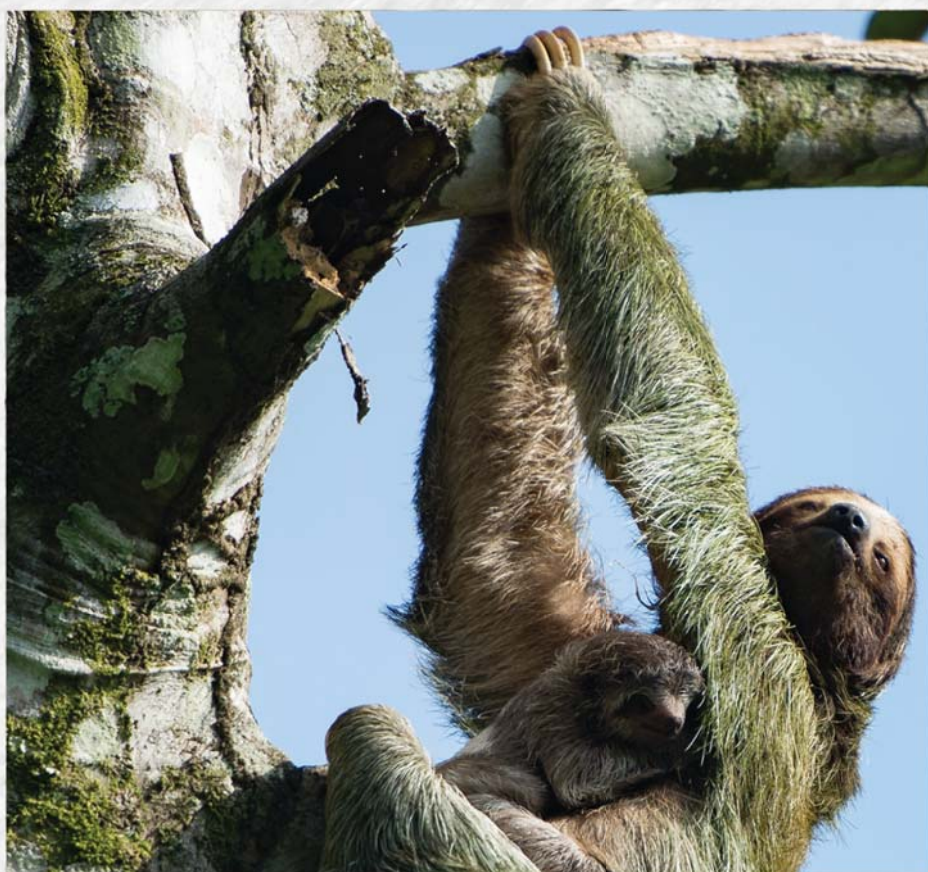


Maybe you don't need to redesign boots and ropes and clips...

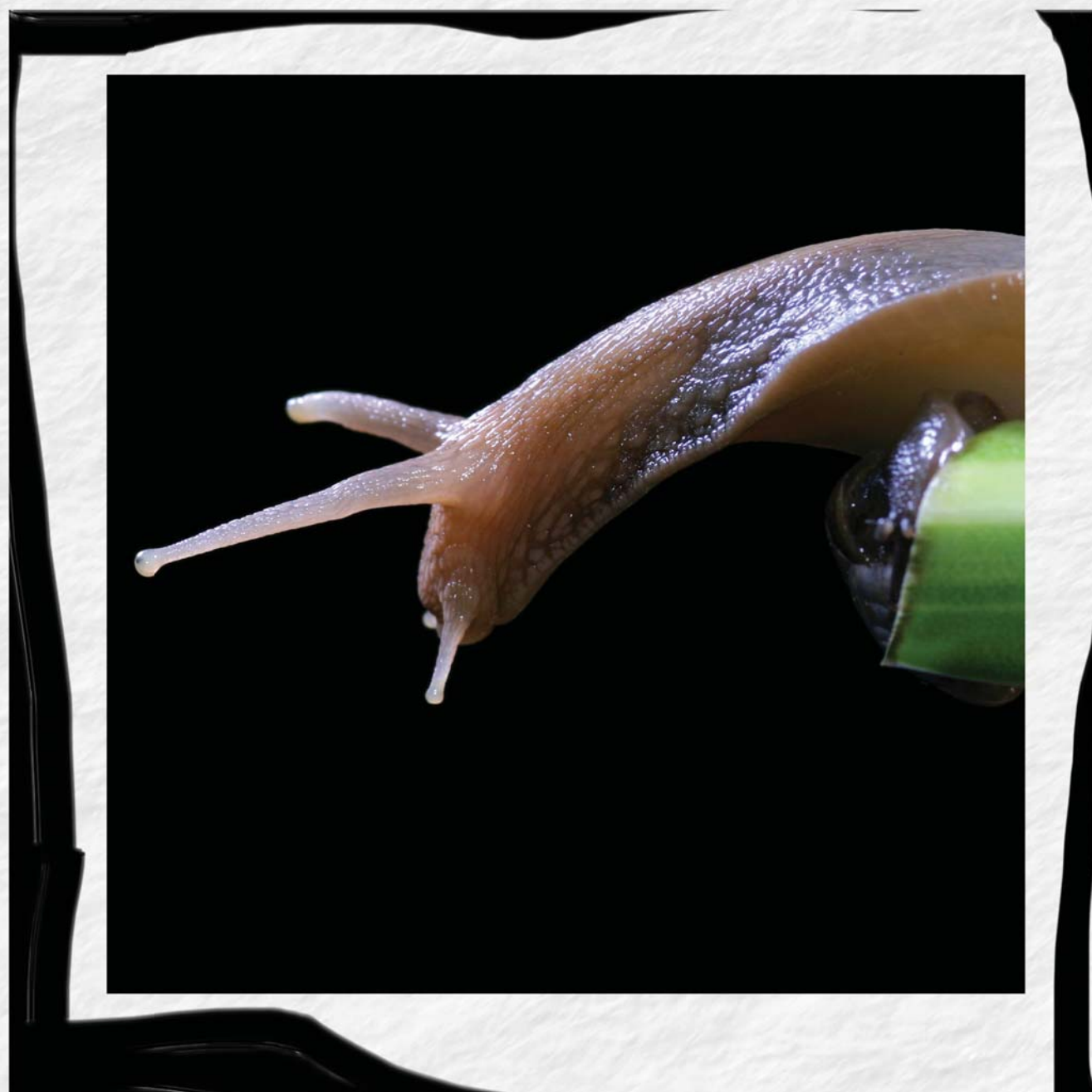
Rethink the basics!

How would nature do it?











Think of equity:

Will your climbing gear be available to everyone, or just the people with lots of free time and money?

What systems can you put into place to make your gear more widely available and even things out?

What can you do to make your gear and packaging more friendly for different users?



Conducive to Life

Take a moment to imagine where the materials you intend to use come from:

Are there ways to be sure they're made locally

...to support the neighborhood economy?

Would there be anything toxic in the materials you're including?

What resources are being used up in the equipment

...could you use renewable materials?

Can you avoid serious mining or over-harvesting in making your invention?

Can you keep the energy needs of your manufacturing minimal?

Can you use safe, water-based chemicals in making your equipment?

Take a moment to consider where the materials you intend to use
will go

...when they break:

Do you want the materials to be recyclable?

Could the bits be repairable?

Can you imagine a process for the manufacturer

...to collect and re-use the pieces?



Imagine a safe way to use your gear to get city kids outside.
Jot out your plan for a program.





Your
CITATION pages



