

まんがでわかる



English
英語

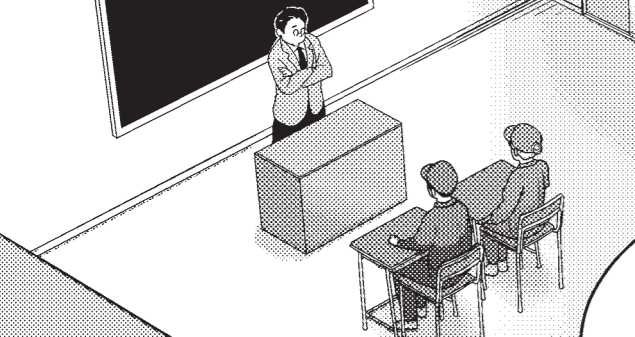
製材業の安全衛生

Learn Through Manga

Safety and Health in the Sawmill Industry



These audiovisual materials have been prepared for the purpose of teaching the basics of safety and health for all those employed at workplaces related to the sawmill industry.



Today we're going to learn about safety and health in the sawmill industry!



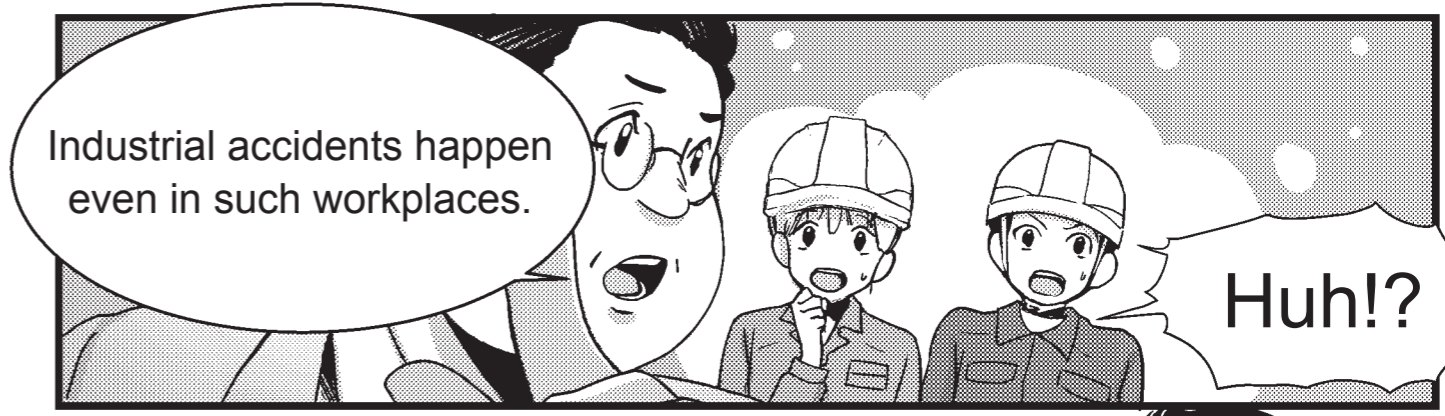
Wood's a really common material that's part of our daily lives, isn't it?

That's right!



The sawmill industry works to process logs into materials for things like houses and furniture.

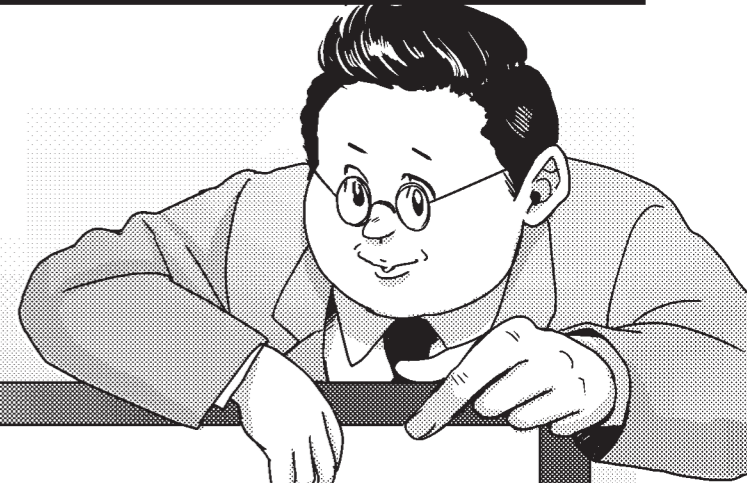
Nowadays, the appeal of using natural materials is being reevaluated.



Industrial accidents happen even in such workplaces.

Huh!?

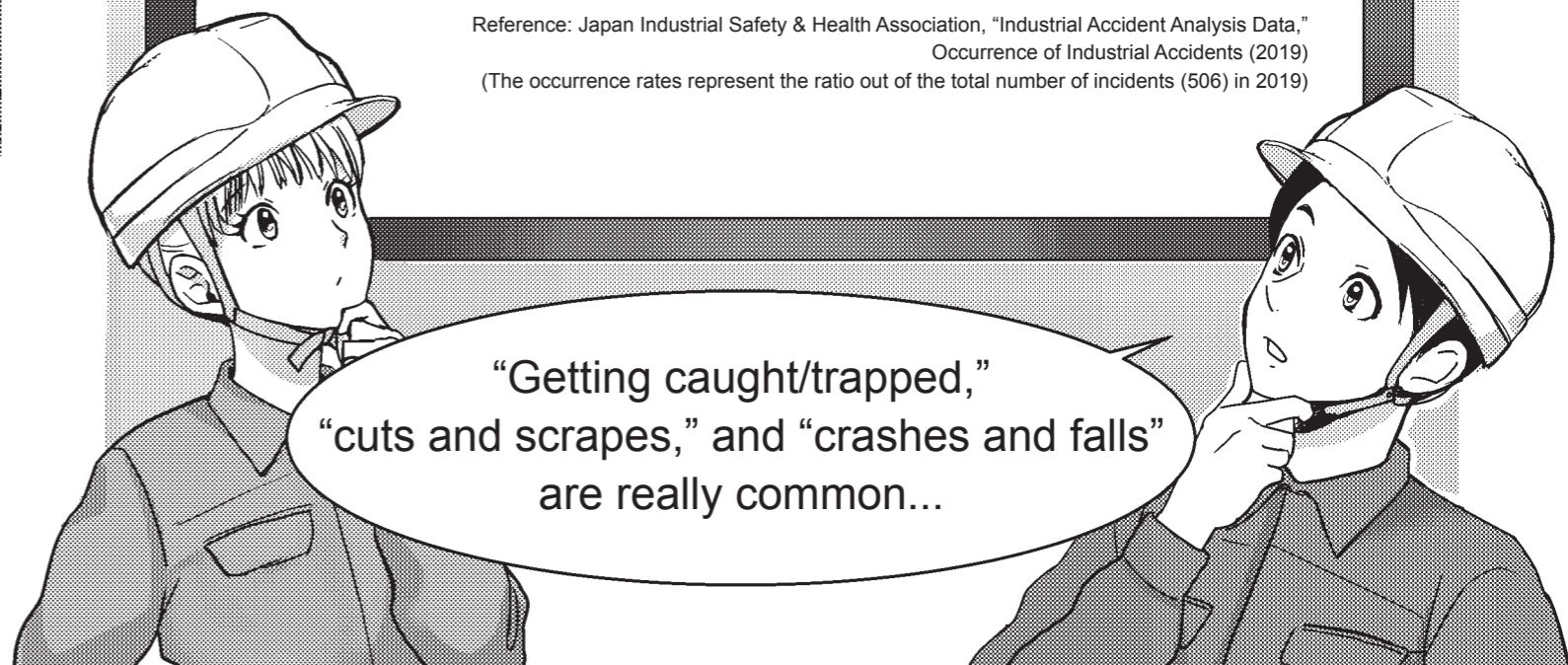
Alright, let's take a look at the main causes of industrial accidents.



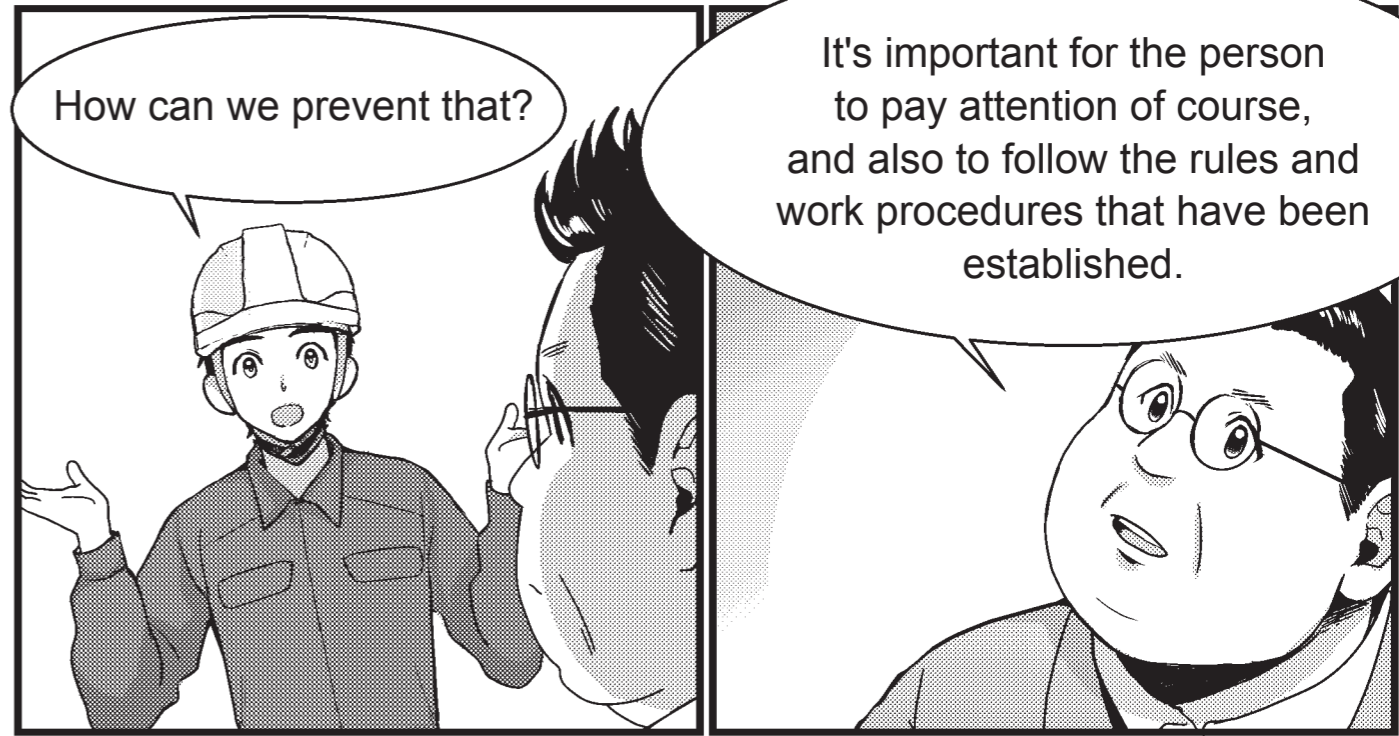
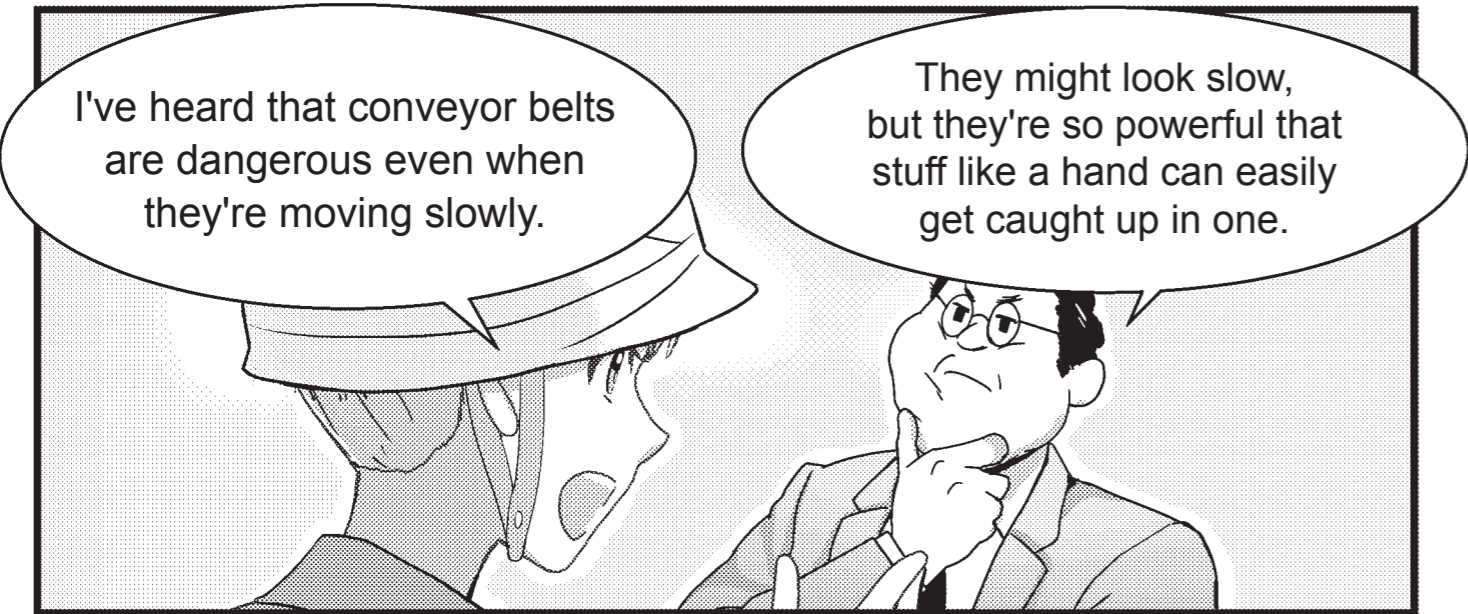
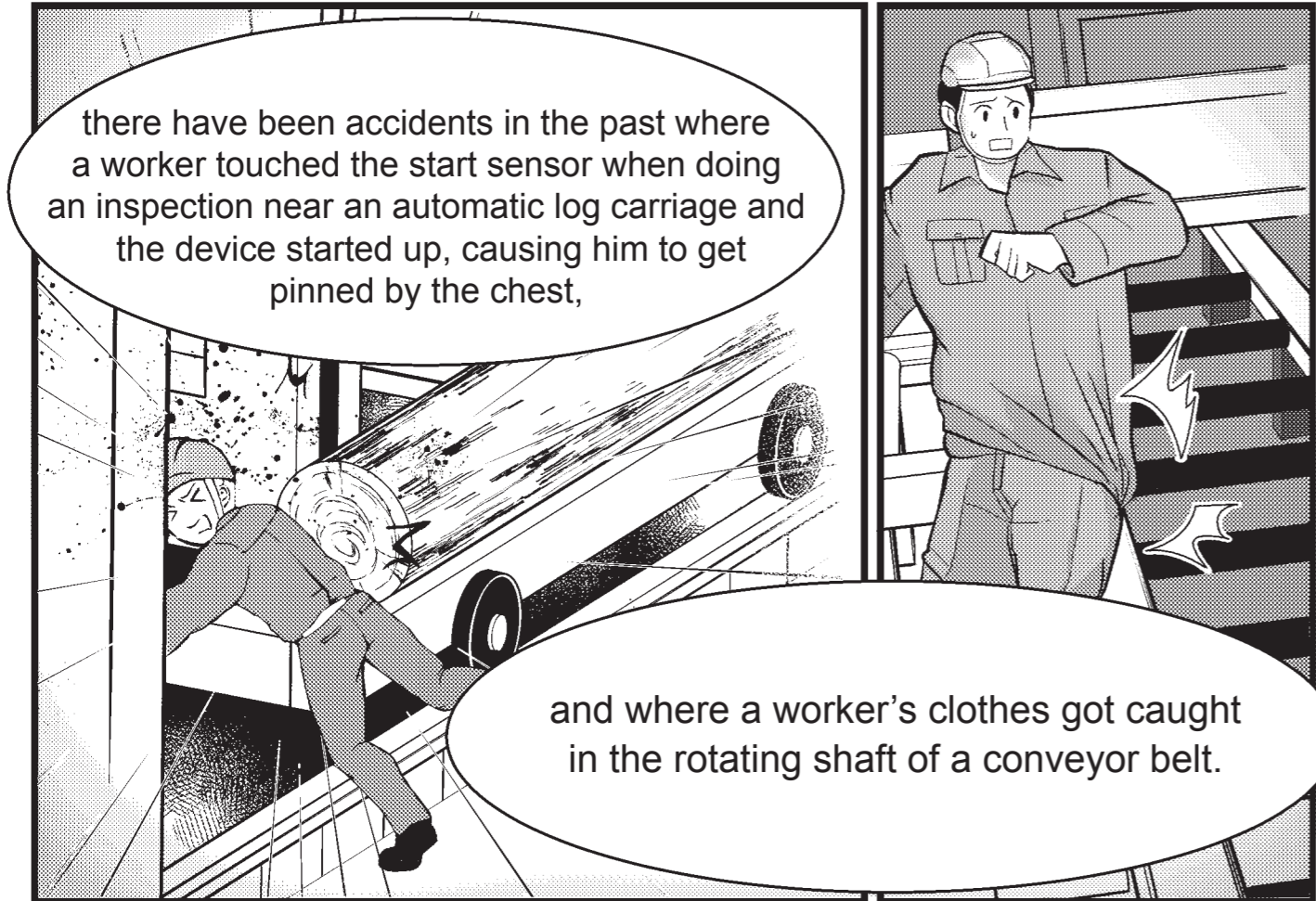
Industrial Accident Occurrence Rates

1	Getting caught/trapped	30%
2	Cuts and scrapes	20%
3	Crashes and falls	12%
4	Falling over	9%
5	Flying/falling objects	8%

Reference: Japan Industrial Safety & Health Association, "Industrial Accident Analysis Data," Occurrence of Industrial Accidents (2019)
(The occurrence rates represent the ratio out of the total number of incidents (506) in 2019)



"Getting caught/trapped," "cuts and scrapes," and "crashes and falls" are really common...



Next is "cuts and scrapes."
There have been cases where people's hands get cut when sawing wood with a circular saw blade.

There have also been instances where people have gotten cut trying to sweep sawdust out of the saw by hand without stopping it first.

Your family would worry if you get hurt and can't work, and the impact on your income would cause trouble too.....

That's why it's important to learn how to use them safely.

Make sure the blade is completely stopped when you're going to touch its teeth.

When do "crashes and falls" occur?

For example, when doing machine maintenance,

there have been cases where people lose their balance and fall down off the stepladder.

I see...

Well, then.

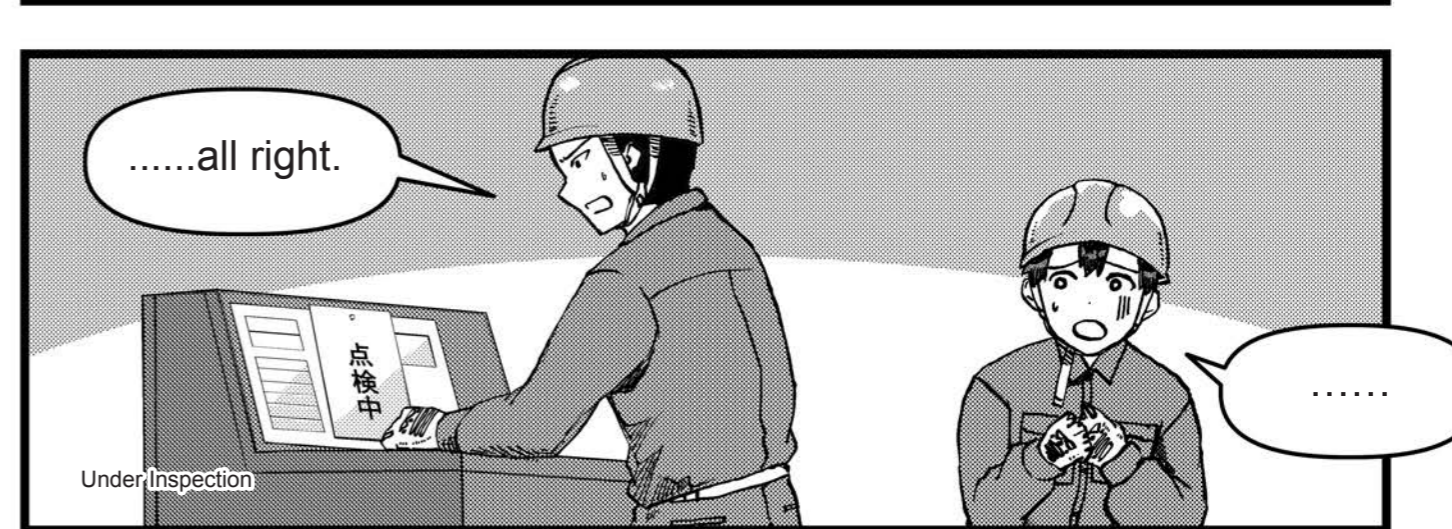
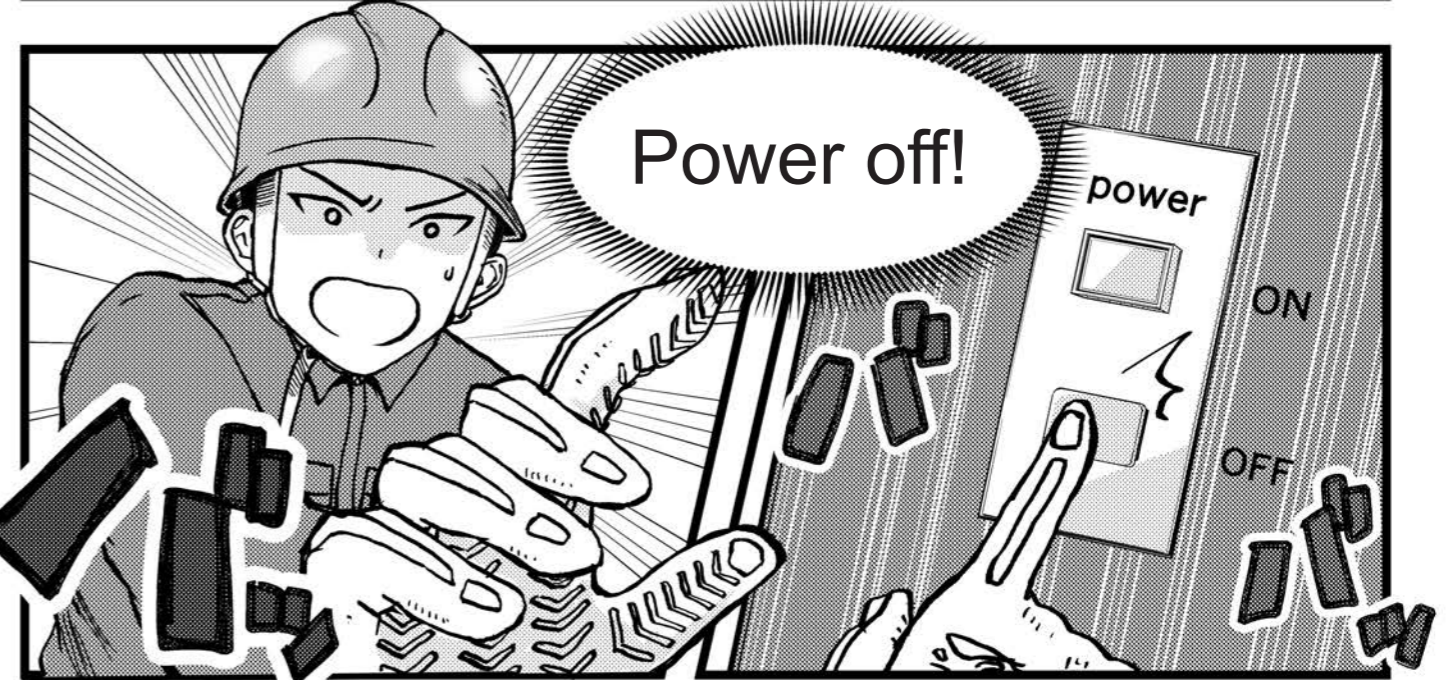
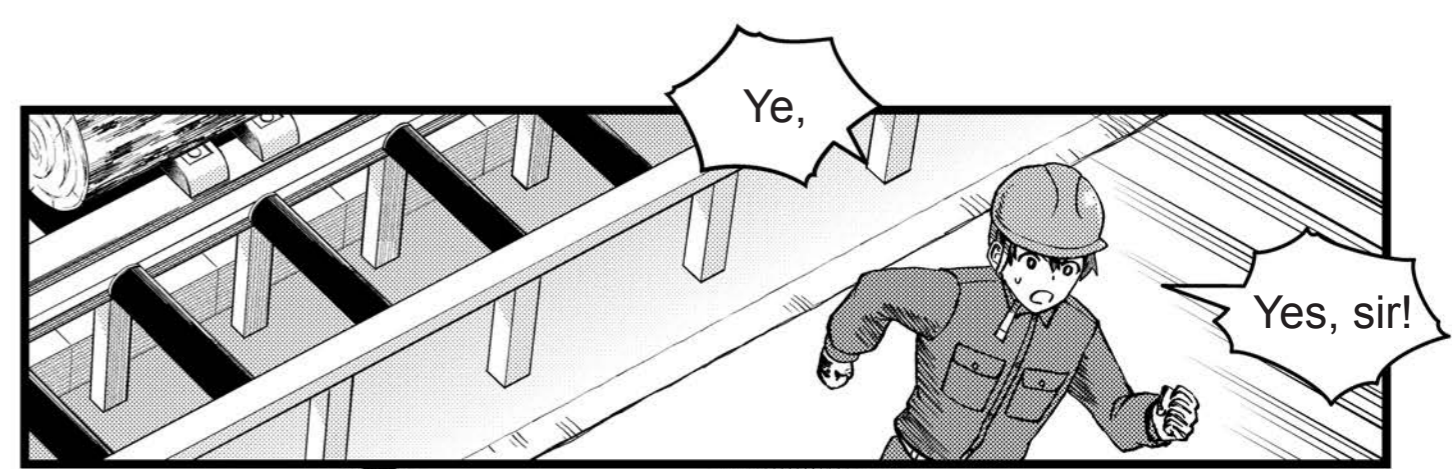
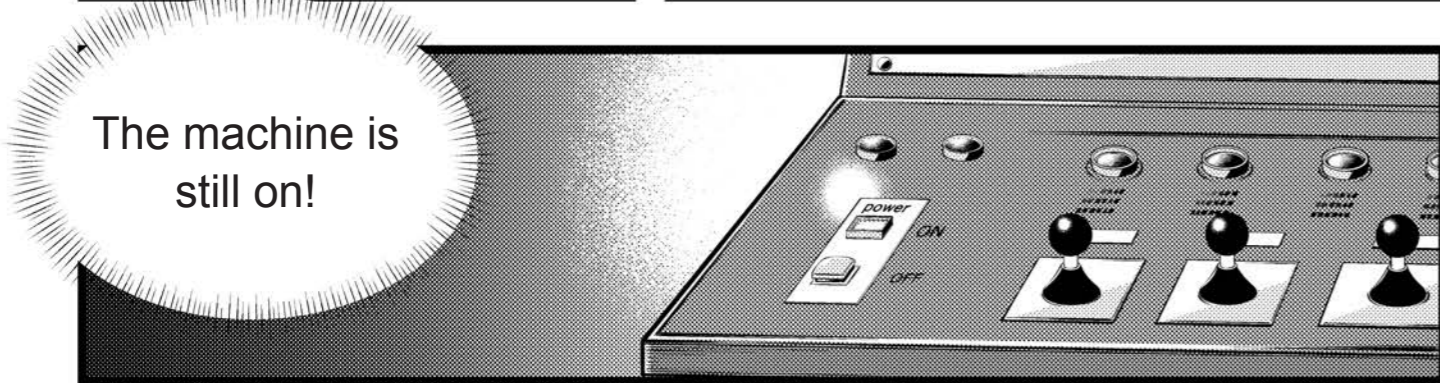
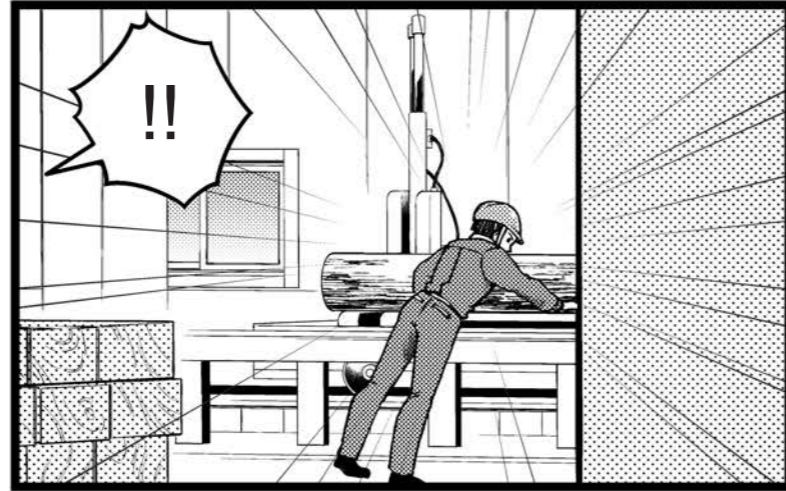
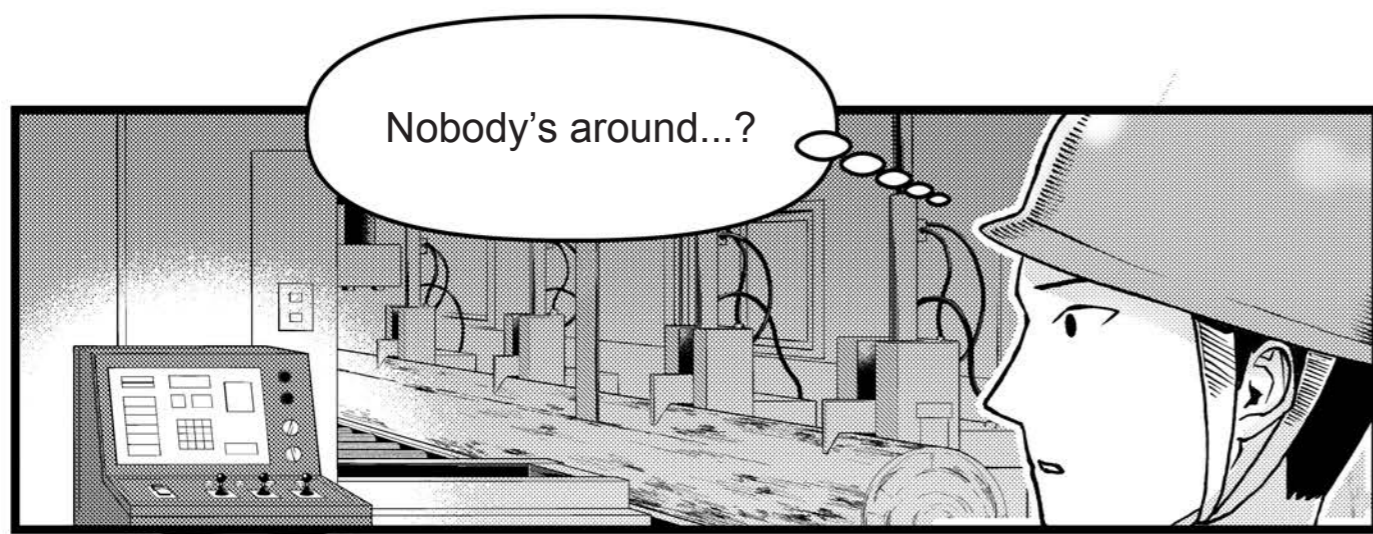
Let's go see

what's happening on-site!

1

CASE 1





What were you thinking!

There's so much work today,

If you don't turn off the power, it's not safe!

I'm sorry!

I got in a rush thinking we wouldn't finish otherwise...

Things turned out fine this time, but the machines can suddenly start up sometimes.

If you're not careful, you could get seriously injured.

Got it, I'm sorry...

I get that you want to get your job done quickly, but...

Still, the rule is to turn off the power when you go near a machine.

Our lives are most important, no matter what.

Hmm? What's happened here?

I see.

So... you're not hurt?

N, no. I'm fine.

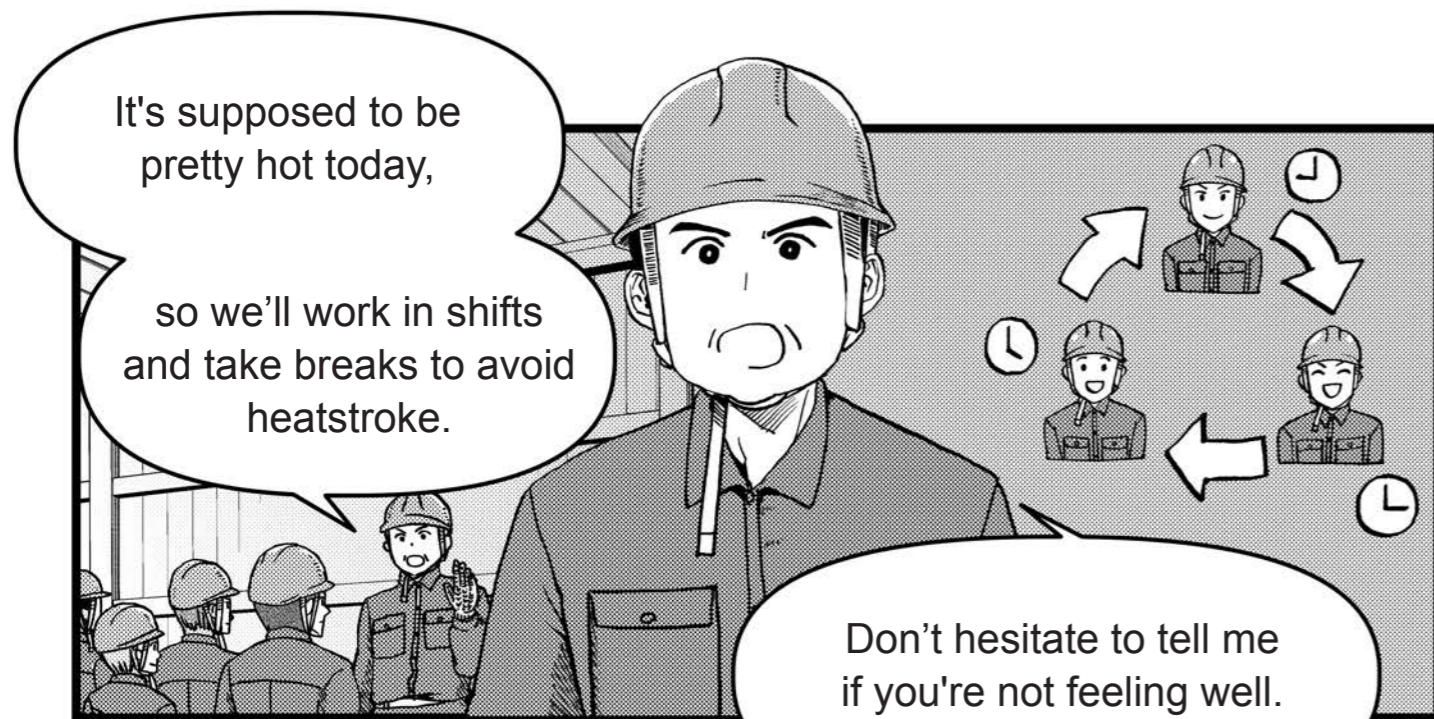
Well, that's a relief.

Just follow the rules and work safely, alright?

Yes, sir...!

Lesson No. 1:
[Turn machines off when going near them.]

CASE 2



It's supposed to be pretty hot today,

so we'll work in shifts and take breaks to avoid heatstroke.

Don't hesitate to tell me if you're not feeling well.



It's so hot...

I wonder if I can take my gloves off.



Gloves must be worn while working today!

Hmm... Well, it's fine as long as I don't get my fingers caught, right?



It's almost time for your shift!

Huh?!



Oh no! I'm gonna get scolded!



Ah!



Oh, no! It fell in the back of the machine...!

I can't reach it from here...



The rules say you have to put up a sign when you stop a machine, but...

Under Inspection- Don't turn the power on. スイッチ入れるな 点検中

I don't want them to find out I took my glove off.



Whatever, let me grab my glove quick!

Put up a sign when stopping machines!

No-Entry Area



Huh? He's not here...

The inspection sign isn't up or anything, so maybe he's already taking a break?



Oh, well! We're gonna work hard again today!

On you go!



Ugh, I can't reach...!



If I can get further back, I think I can reach it...!



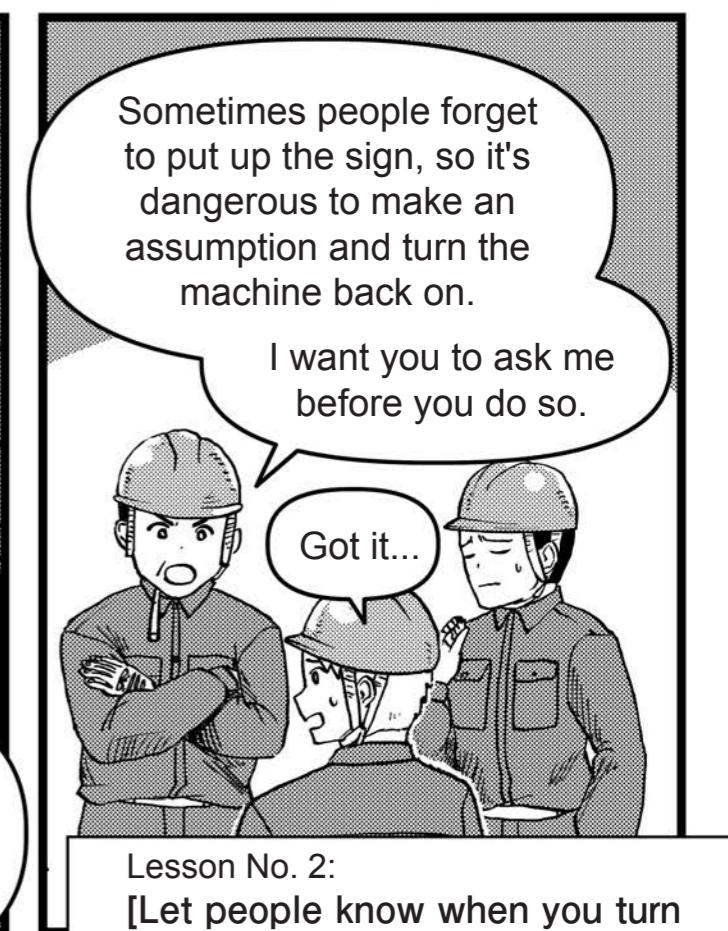
Senpai! It's time to change shifts!



Owwowwow!



Senpai!?

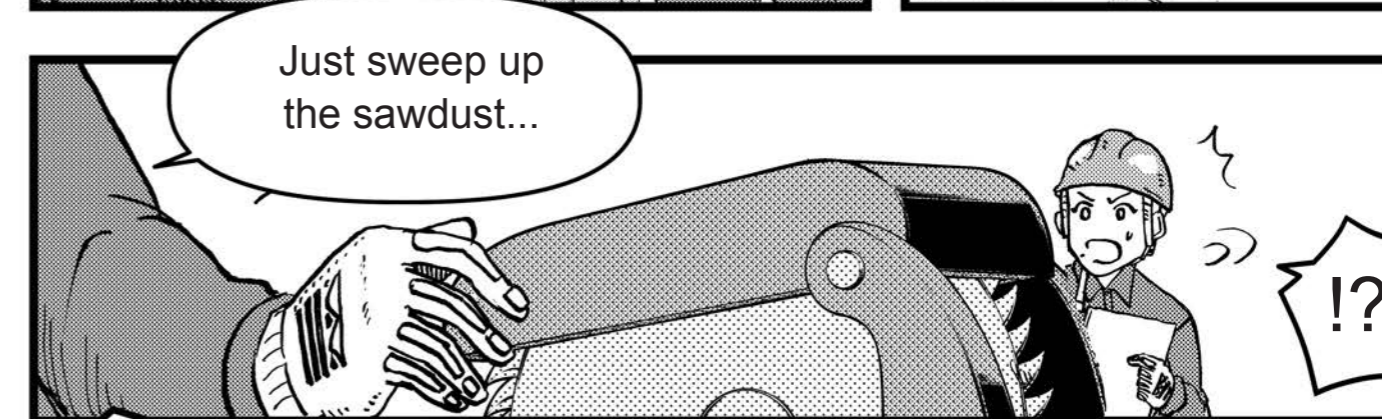
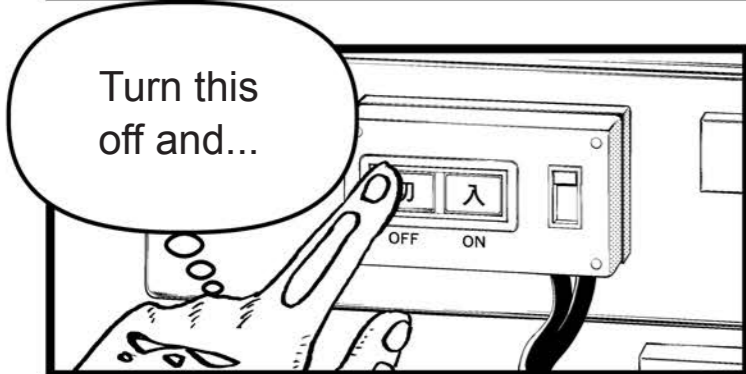
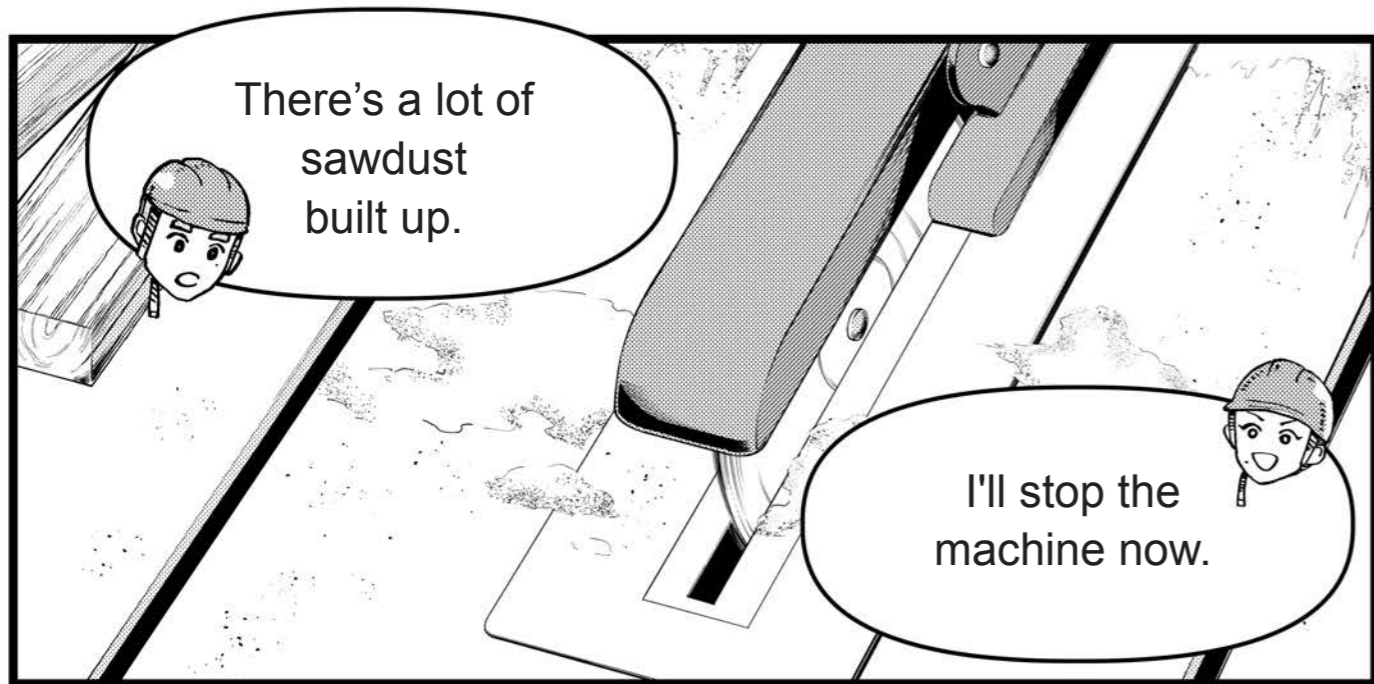


CASE 3

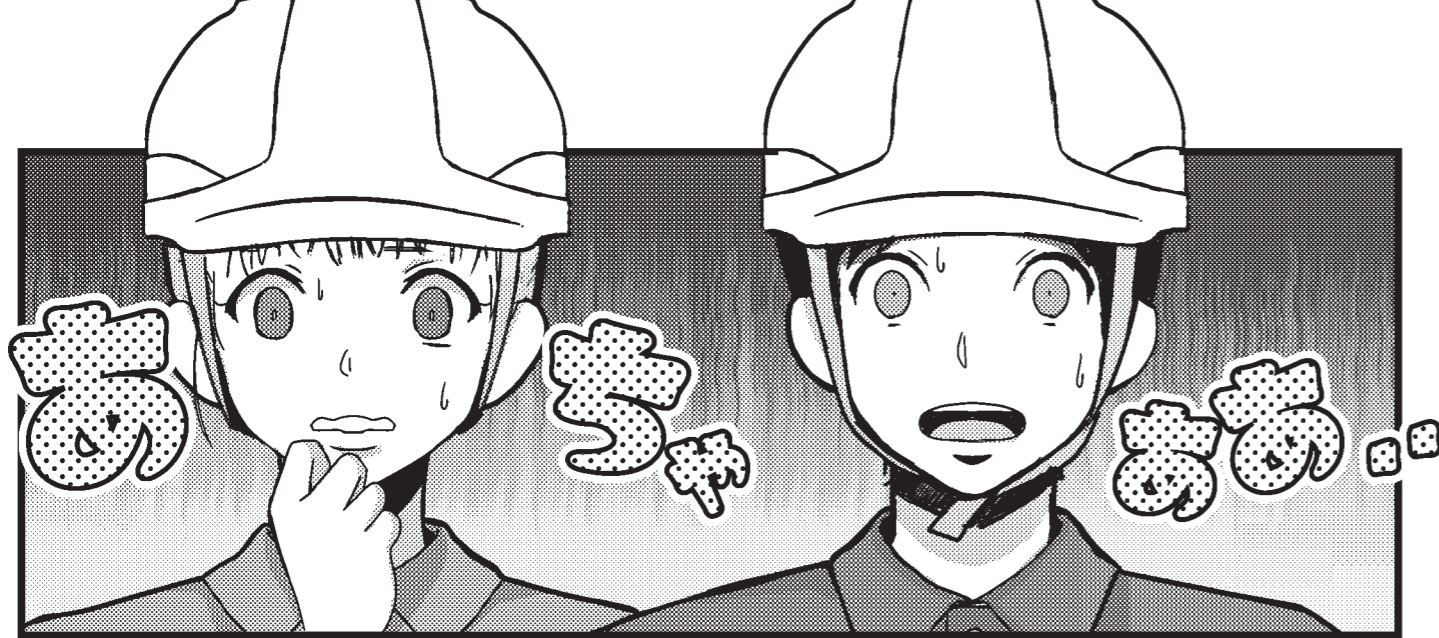


*The time between changing out circular saw blades varies from site to site, depending on the quality of wood and amount cut.

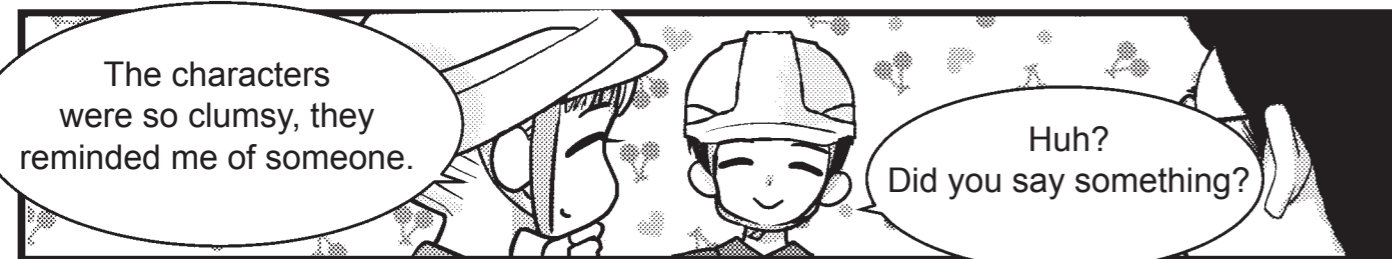






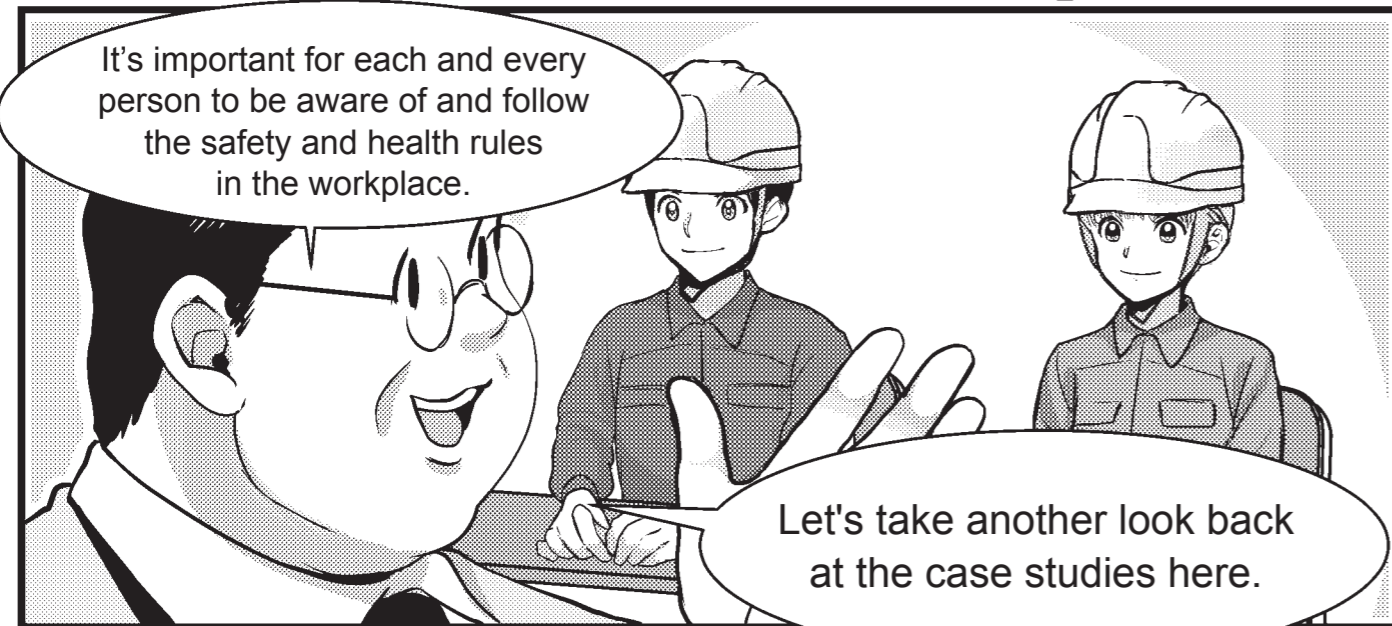


You've learned that danger is closer than you think now, haven't you?



The characters were so clumsy, they reminded me of someone.

Huh? Did you say something?



It's important for each and every person to be aware of and follow the safety and health rules in the workplace.

Let's take another look back at the case studies here.

Key Points to Watch Out For in the Sawmill Industry

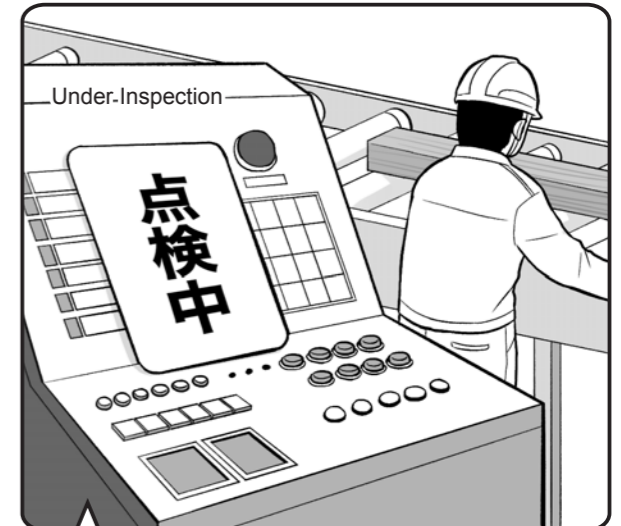


1 Turn off the power



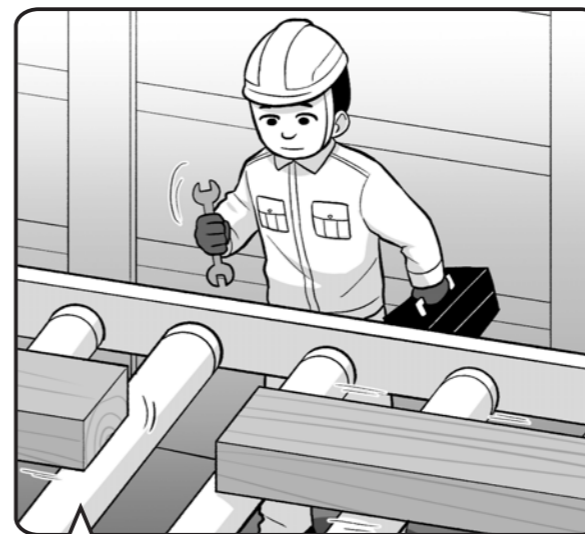
Turn off the machine when removing wood chips or sawdust.

2 Inform others



Put a sign up when stopping a machine to handle a problem.

3 Check the machine has stopped



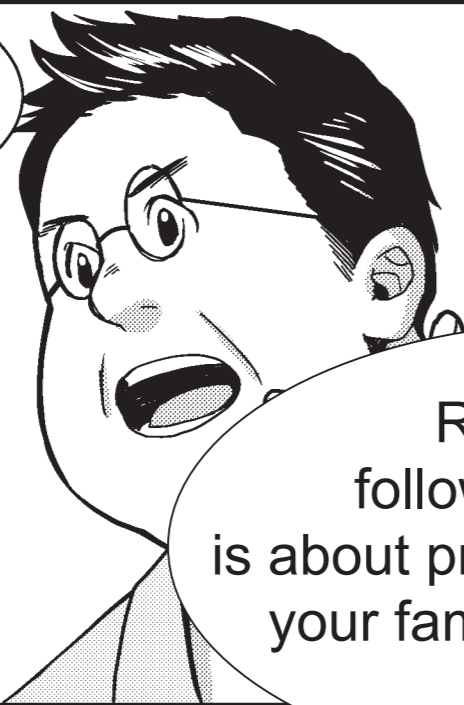
Prior to starting an inspection, make sure that the machine has come to a complete stop.

4 Do not enter hazard zones



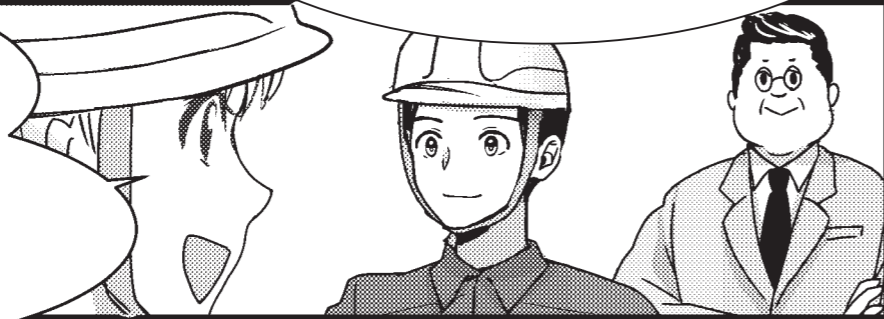
Do not breach hazard zones.

Industrial accidents are no stranger and a familiar problem for us.



Remember, following the rules is about protecting your body, your family, and your life.

Regular communication in the workplace is also important, just in case something goes wrong.



All right! Gotta watch out for industrial accidents and do my best every day!



Sawmill Industry

Watch out for these, too!

Tips for Safety and Health!



1 Protective gear/equipment



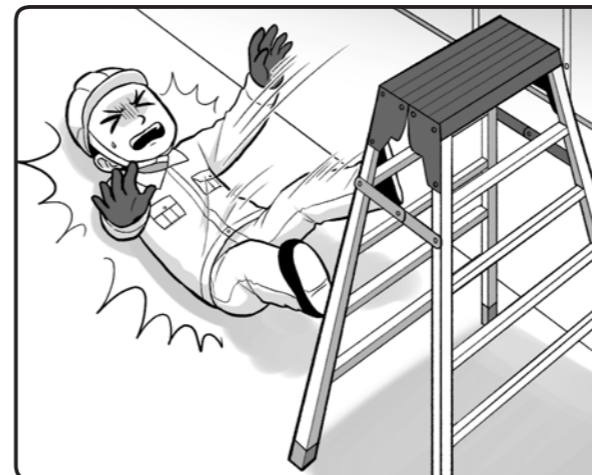
Key Point
Make sure to wear the appropriate protective gear!
See "Learn Through Manga - Basics of Safety and Health and Industrial Accident Prevention" for more details.

2 Beware of heat stroke



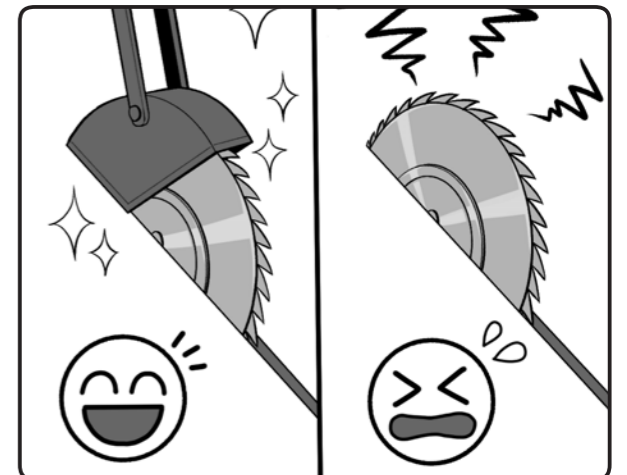
Key Point
Beware of heatstroke when working on-site and outside!
See "Learn Through Manga - Basics of Safety and Health and Industrial Accident Prevention" for more details.

3 Be careful not to fall from high places



Key Point
Be careful when working high up using ladders and step stools.
See "Learn Through Manga - Basics of Safety and Health and Industrial Accident Prevention" for more details.

4 Make sure the crown guard is attached

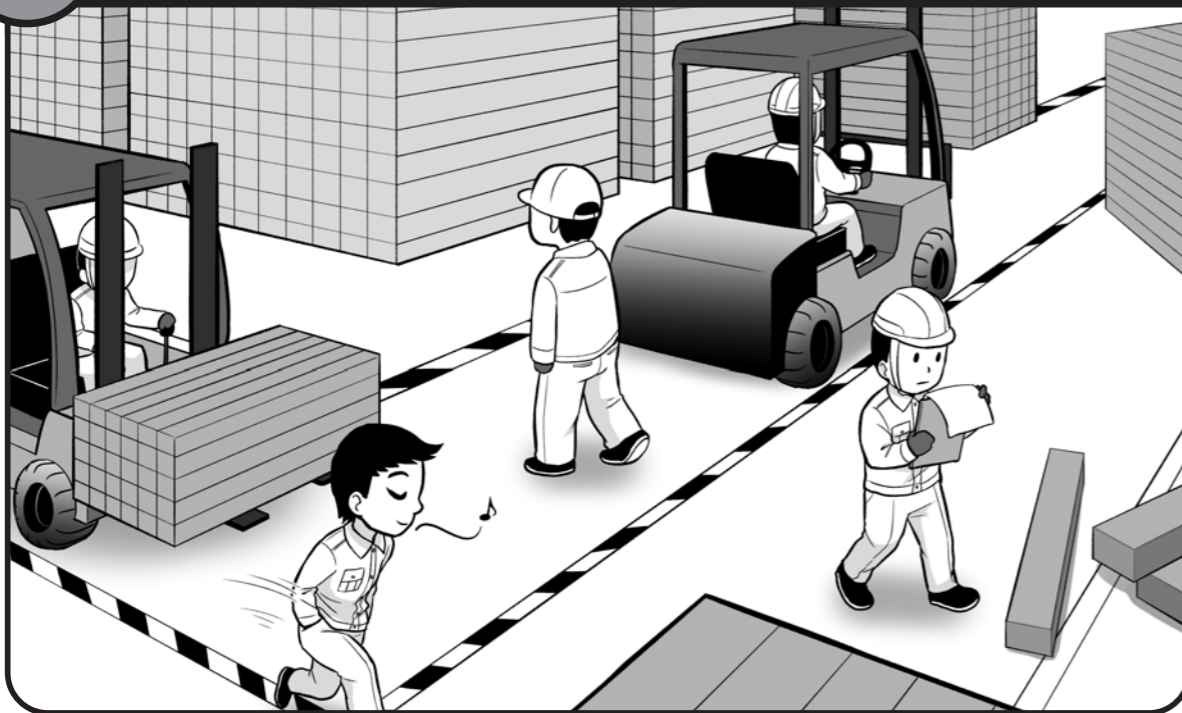


Key Point
Make sure the crown guard is working properly!

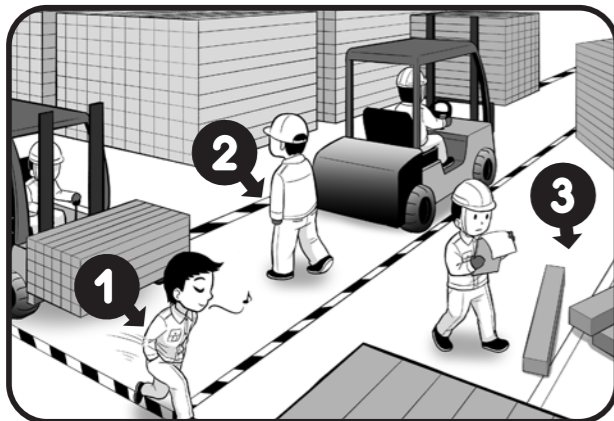
Know the dangers that lurk in your workplace!

Hazard Prediction Training

Q Consider where hazards may lie!



A Key points on hazards!



1

Do not put your hands in your pockets.



2

Stay out of no-entry areas.



3

Implement 4S thoroughly:
Seiri (sorting),
Seiton (set in order),
Seiso (shine),
Seiketsu (standardize).



Consider if there are any other points of hazard as well.

Learn Through Manga

Safety and Health in the Sawmill Industry

Issued 3/2022

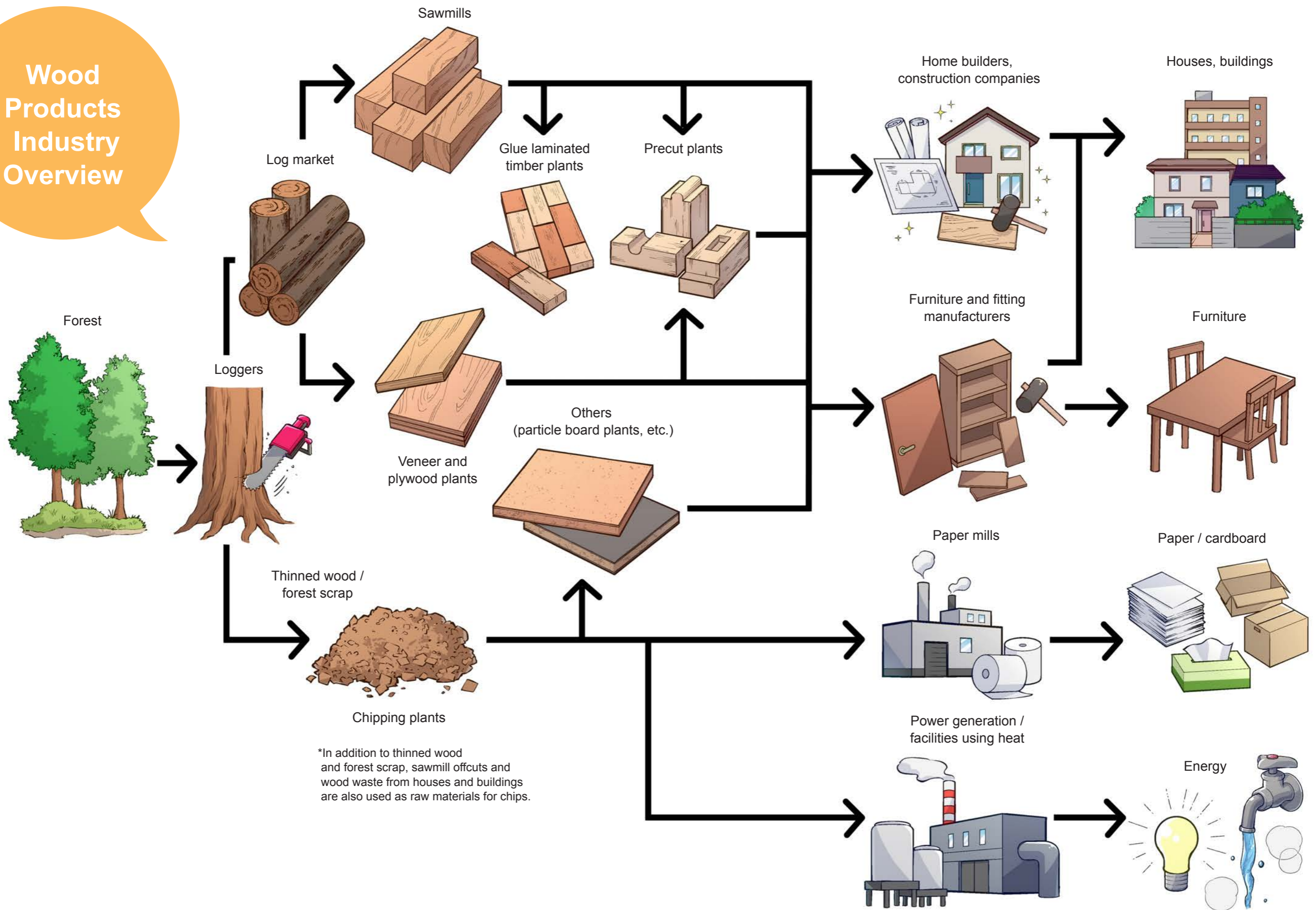
Published by: Ministry of Health, Labour and Welfare

Planning by: Mizuho Research & Technologies, Ltd.

In cooperation with: Working Group for the Development of Safety and Health Education Materials for Wood and Wood Product Manufacturing

Produced by: Sideranch Inc.

Wood Products Industry Overview





Contact information regarding this material

Safety Division,
Industrial Safety and Health Department,
Labour Standards Bureau,
Ministry of Health, Labour and Welfare