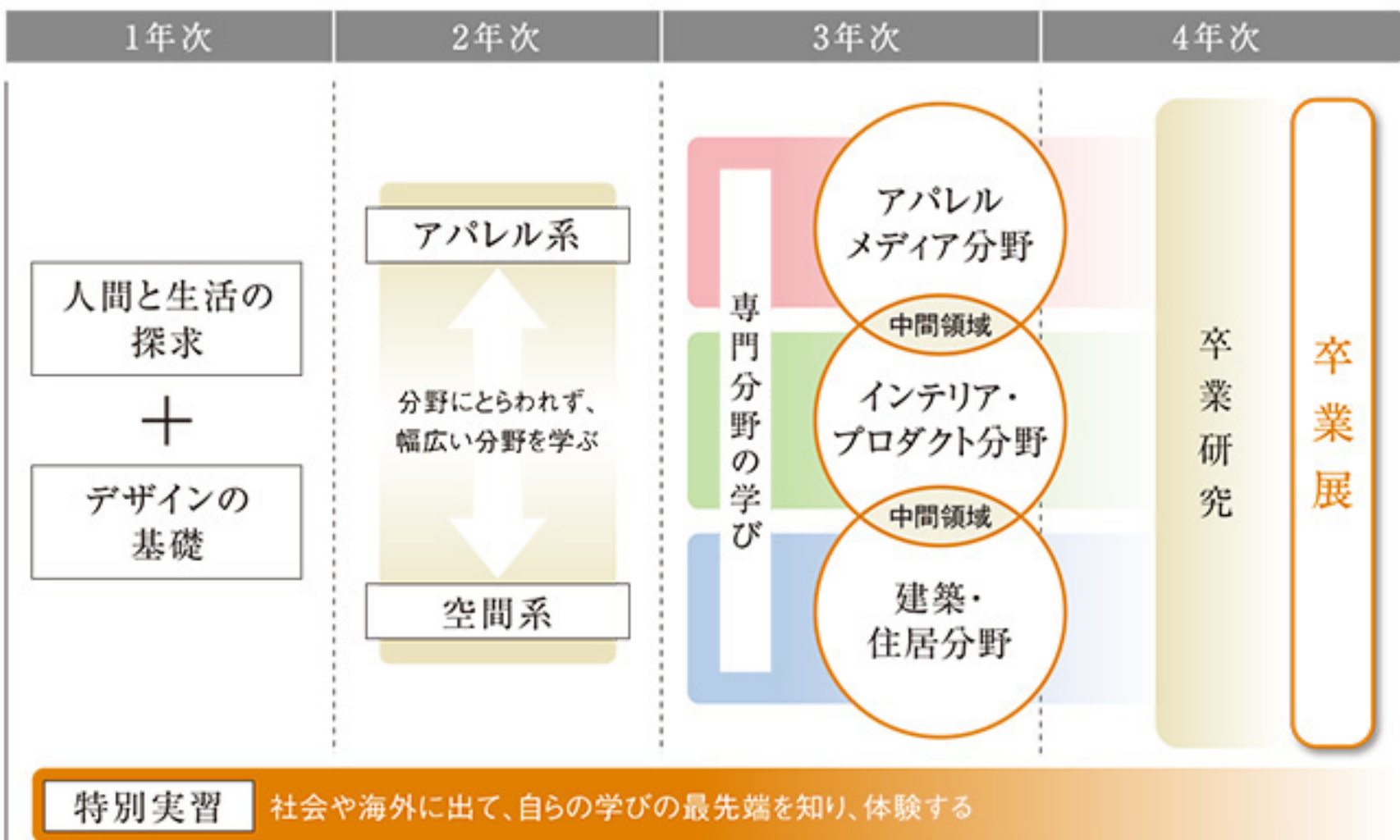


# 海外共有サイトを活用したインテリアプロダクト分野の 作品制作実践力向上に向けた授業改善の試み

椋山女学園大学 生活科学部 助教 山下 健

# 生活科学部 生活環境デザイン学科



# インテリア プロダクト

インテリアデザイン

インテリア計画・設計

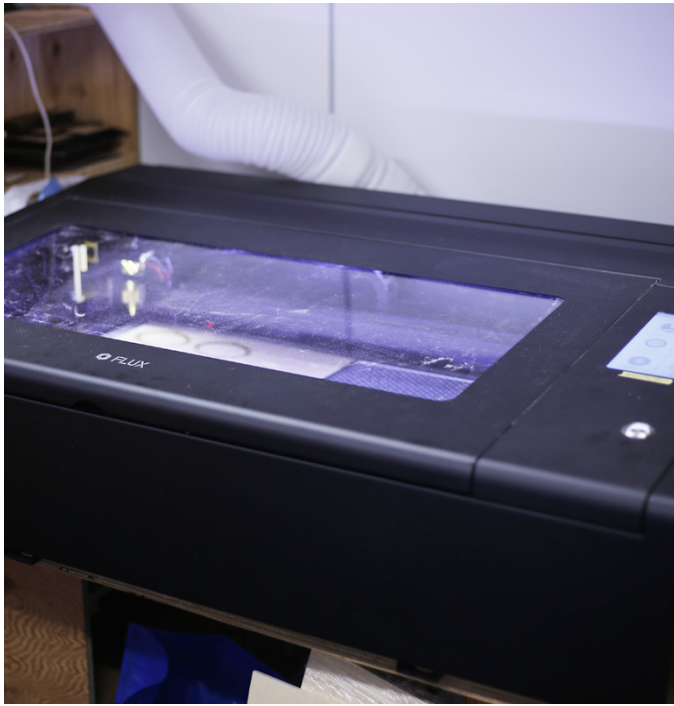
産業デザイン

歴史意匠学・建築計画学

環境心理学・感性デザイン

デジタルデザイン →

デジタルファブリケーション  
コンピューショナルデザイン



# 海外共有サイトを利用した取組み

研究室配属：3年生後期

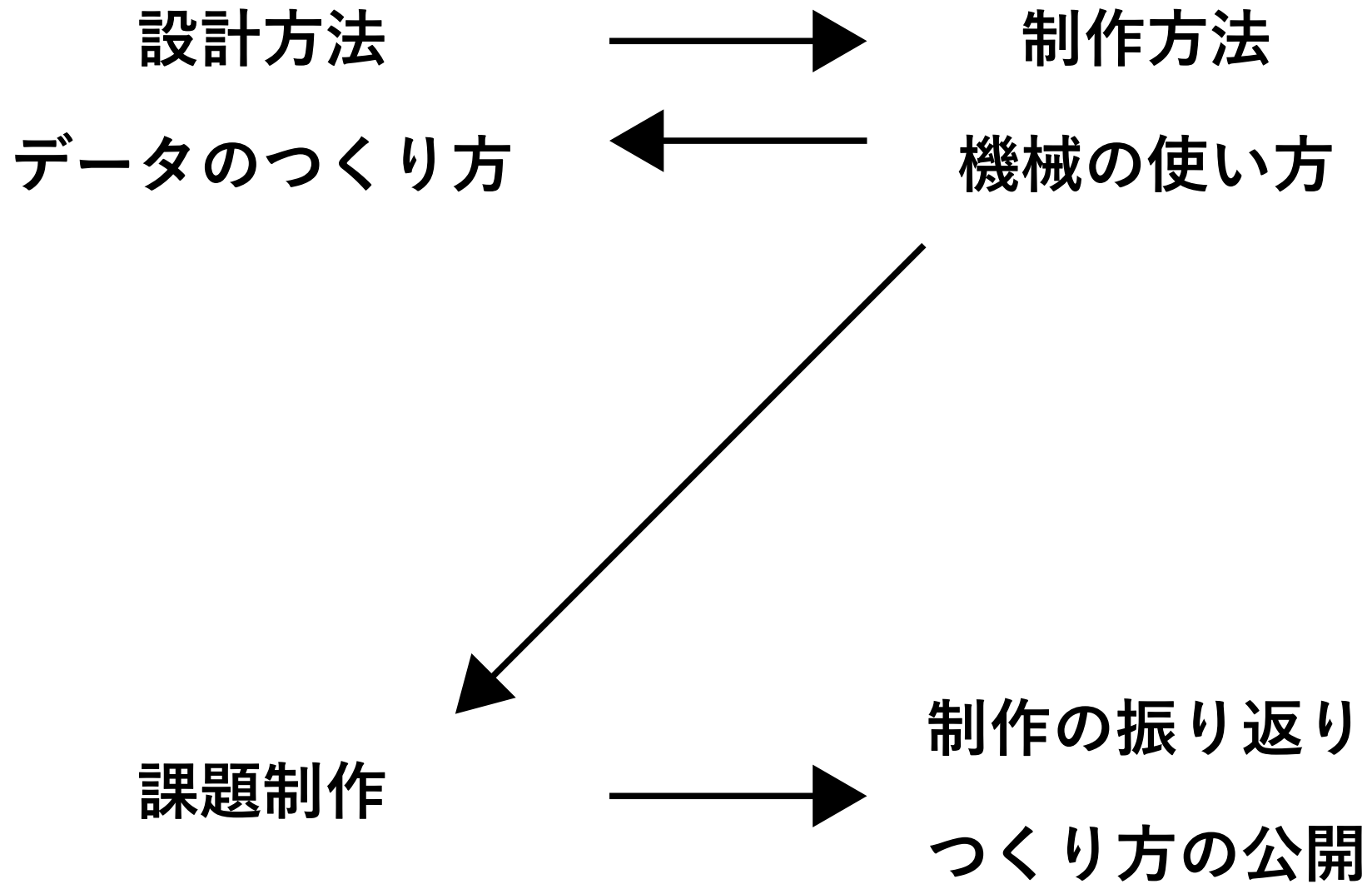
プレゼミ（卒業研究の準備）

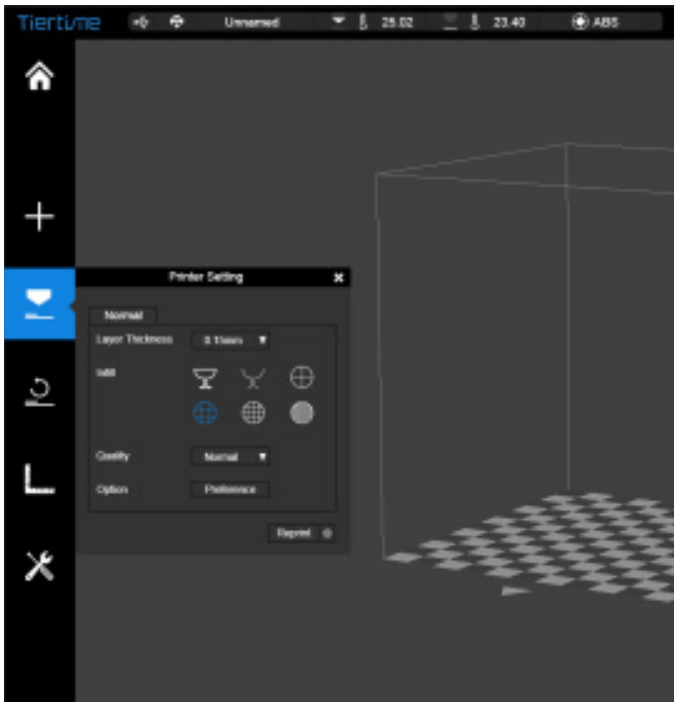
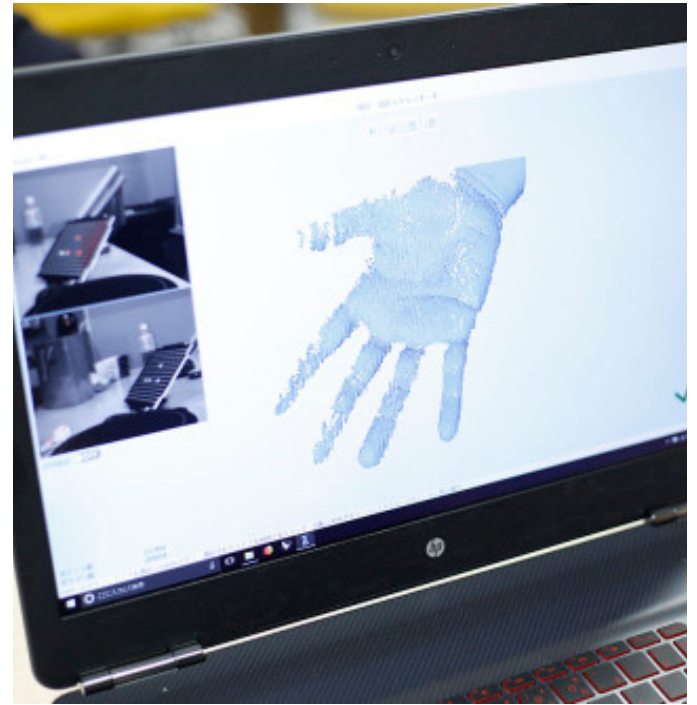
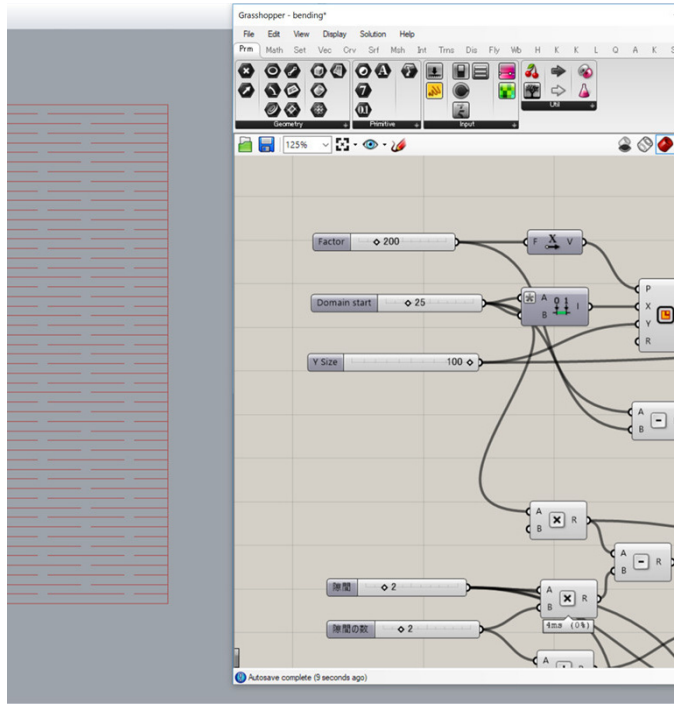
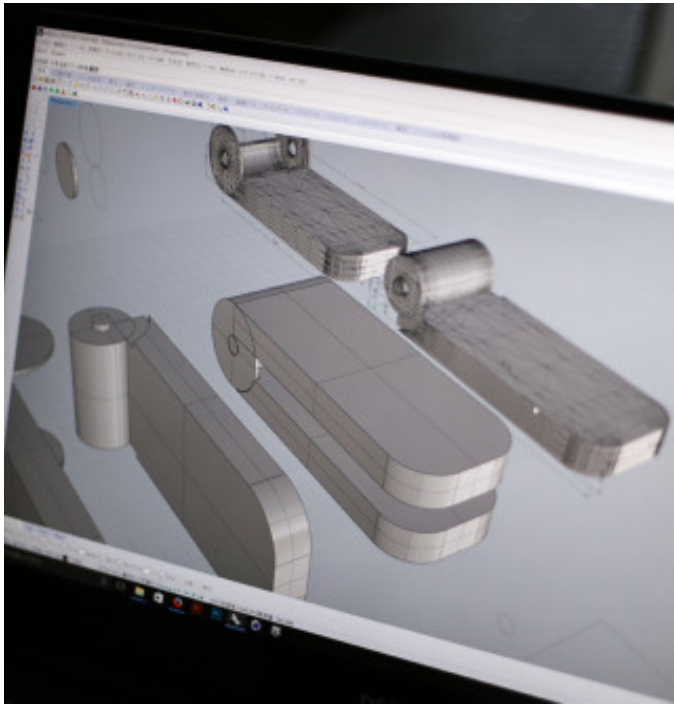
授業内容

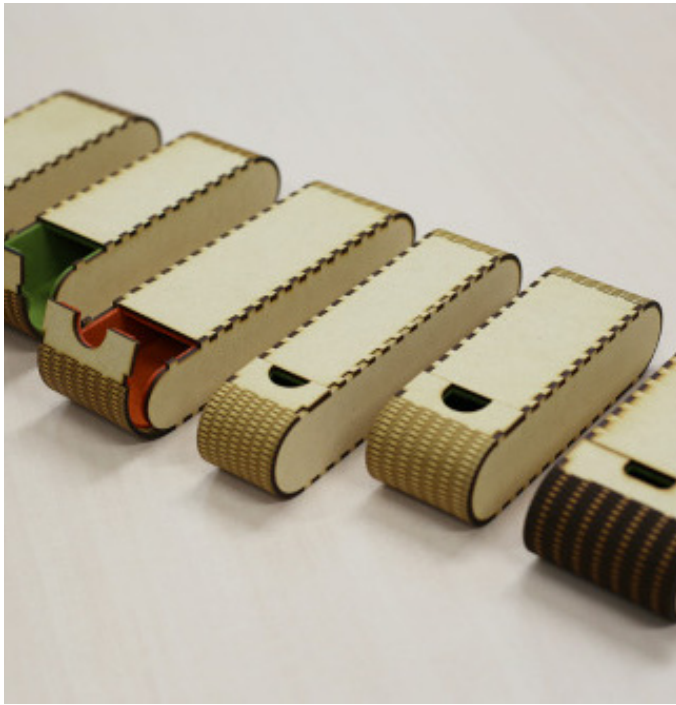
- ・ 設計手法
- ・ ソフトの使い方
- ・ 工作機械の使い方
- ・ もののつくり方



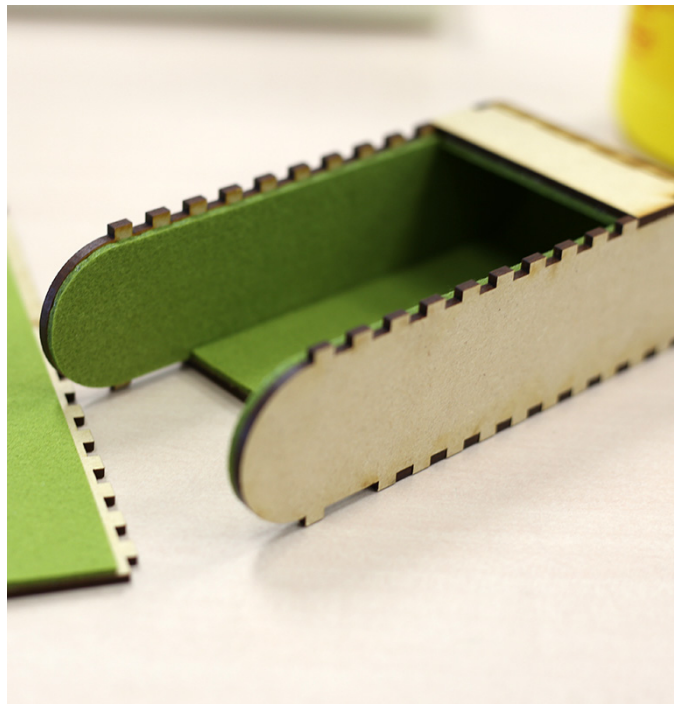
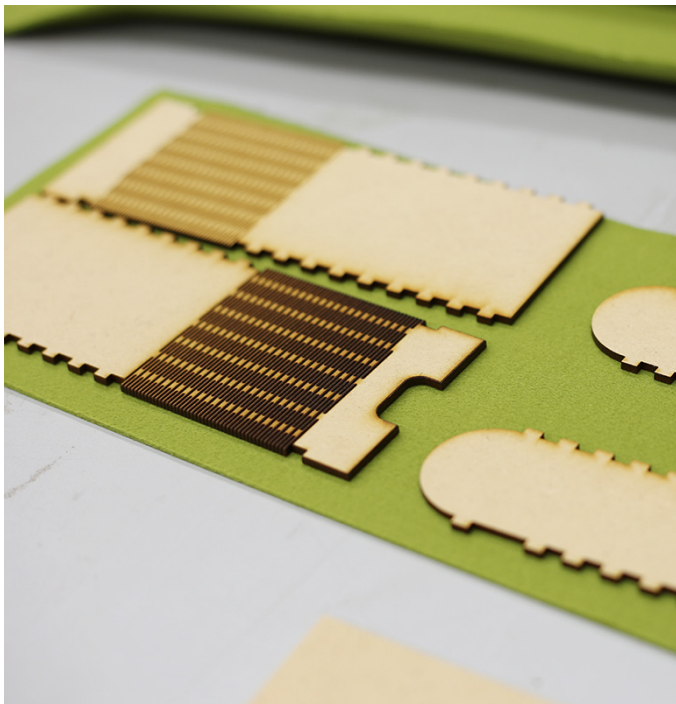
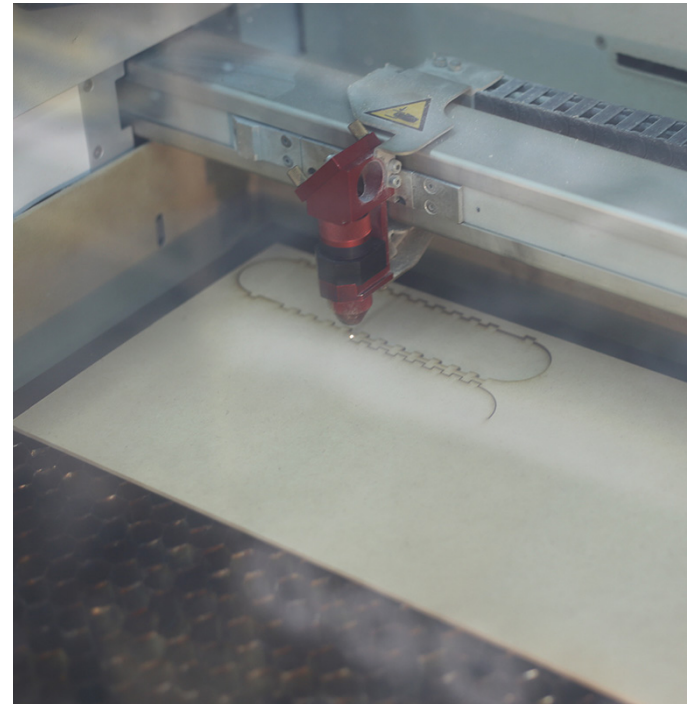
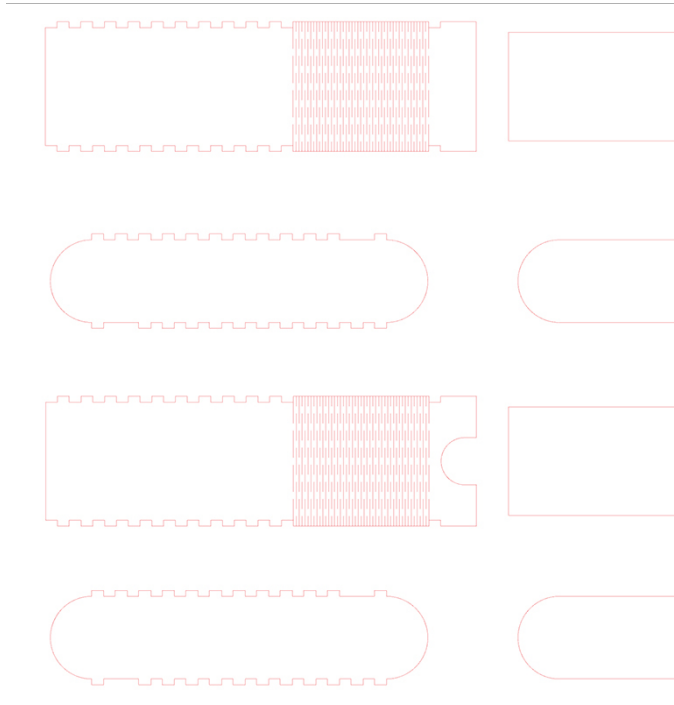
海外共有サイトを使用して  
小課題の成果物を公開













Let's Make ...



Featured

Write an Instructable

Classes Contests Community Teachers

# Let's Make an instructable



EVERYTHING  
TECHNOLOGY  
WORKSHOP  
CRAFT  
HOME  
FOOD  
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OUTSIDE  
COSTUMES



First Time Author Contest:  
Enter Now!

## Instructables

<https://www.instructables.com/>

# Instructables を用いて、つくり方、データを公開する目的

- 制作の振り返り
- 記録をとる習慣を身につける
- 下の学年につくり方などを伝える記録として
- 制作のモチベーションを上げる 外部評価
- 海外のサービスである

## 制作のモチベーションを上げる

通常の授業：参考作品に選ばれるのは数名程度



制作の公開：他者からリアクションを得ることができる

- ・ 見た人の数
- ・ Favorite の数
- ・ Featured の仕組み
- ・ コメント

## 海外のサービスであること

- ・ 国内に比べると利用者数が多く、  
他者からのフィードバックを得やすい
- ・ 英語を使用する必要がある（英語に慣れる）

# 画像やデータなど制作の説明に使用するデータをアップロード

The screenshot shows the Instructables editor interface. At the top, there is a grey bar with a plus sign and the text '+ Click To Add Images'. Below this bar are buttons for '+ Add', 'More', 'Full Preview', 'Save', and 'Publish'. The 'Publish' button is circled in orange, with the Japanese text '公開' (Public) next to it. Below the buttons is a row of four cards: a yellow robot icon with the text 'need help getting started? here are some pro tips!', a speaker icon with 'Using the Editor', a pencil icon with 'Writing an Instructable', and a camera icon with 'Taking Good Photos'. Below this row are two main sections. The first section has a white box on the left with the text '必要な画像などを配置' and 'Drag Images From Top Bar', and a grey box on the right with the text '概要' and 'Intro: New Project'. The second section has a white box on the left with the text '必要な画像などを配置' and 'Drag Images From Top Bar', and a grey box on the right with the text '工程の説明' and 'Step 1: (click to edit)'. Both sections have a right arrow icon with the text '詳細へ' (Details) next to it. At the bottom, there is a button labeled 'Add Step' circled in orange, with the text '必要に応じて工程を追加' (Add steps as needed) next to it. A vertical line with arrows points from the top text to the 'Add Images' bar and then to the two main sections.

## 概要や工程の詳細



## 公開時の設定

**Author** Edit Instructable ▼

**CATEGORIES**

Home ▼

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**Submit**

**KEYWORDS**

Add new keyword

Remove All Keywords

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Public Domain ▼

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—— カテゴリーの設定

—— キーワードの設定

—— ライセンスの設定

—— クリエイティブコモンズライセンス



## ライセンスの表示



## Lamp Shade

Workshop > Lighting

3,683

50

2

★ Featured

## 他者からのリアクション

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Instructables Lamp Shade <https://www.instructables.com/id/Lamp-Shade-1/>

# Lamp Shade

Workshop > Lighting > 3,683 > 50 > 2 > Featured



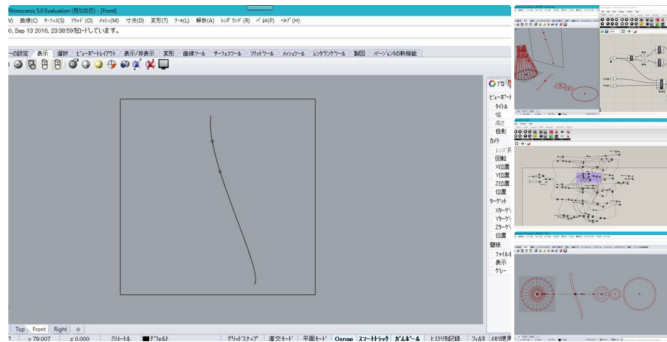
This is a lamp shade.

Material:MDF2.5mm

Tool:Rhinceros,Grasshopper,Illustrator

Add Tip Ask Question Comment Download

## Step 1: Data

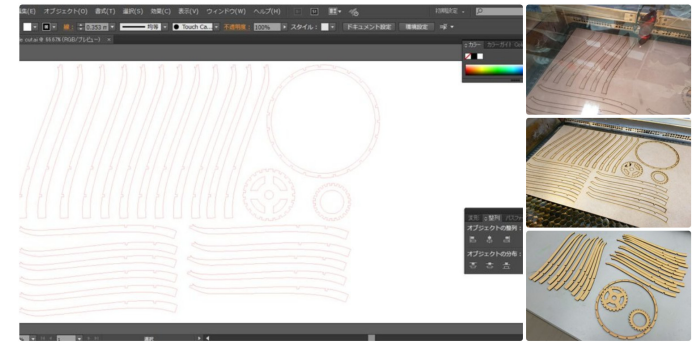


Make the data by Rhinceros and Grasshopper.

1. Write a shape seen from the side by front indication of the Rhinceros.
2. Place the component with a Grasshopper, write a circle and size.
3. Write the parts in the position seen from the top.
4. Save with \*.ai or \*.dwg extension.

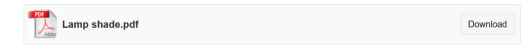
Add Tip Ask Question Comment Download

## Step 2: Cut



Copy and place as many parts as you need in the illustrator.

Cut the MDF with a laser cutter.



Add Tip Ask Question Comment Download

## Step 3: Assemble

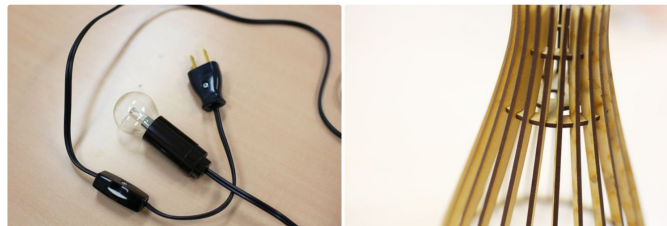


Temporarily assembling parts.

Assemble with bonds if there is no problem.

Add Tip Ask Question Comment Download

## Step 4: Attach a Light



A cord, a socket and the plug use the thing which does not become one.

Pass the cord through the lamp shade before attaching the light bulb.

Attach a socket and plug to the cord.

Add Tip Ask Question Comment Download

## 2 Discussions

sazer1 1 year ago

Reply Upvote

THIS IS GREAT...  
CAN U PROVIDE THE GH SCRIPT FILE  
THANKS

Modern Rustic Workshop 1 year ago

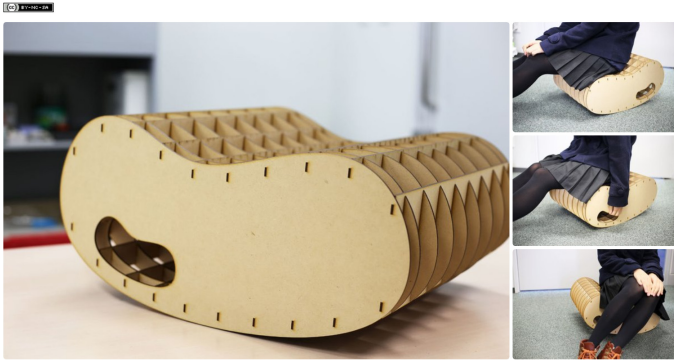
Reply Upvote

Very cool unique design!

Post Comment

# SORAMAME Stool

Craft > Art 1,941 36 1 Featured



This is a SORAMAME stool.

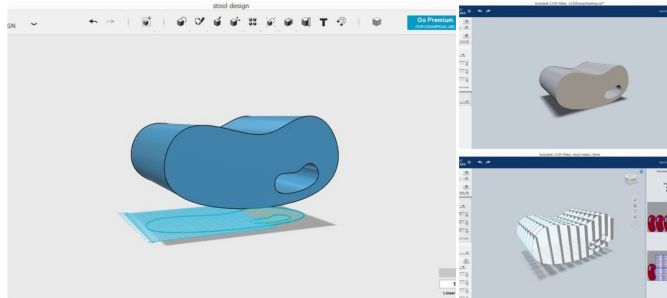
Material:MDF 2.5mm only

W:516mm,D:390mm,H:245mm

You can sit any direction.

[Add Tip](#) [Ask Question](#) [Comment](#) [Download](#)

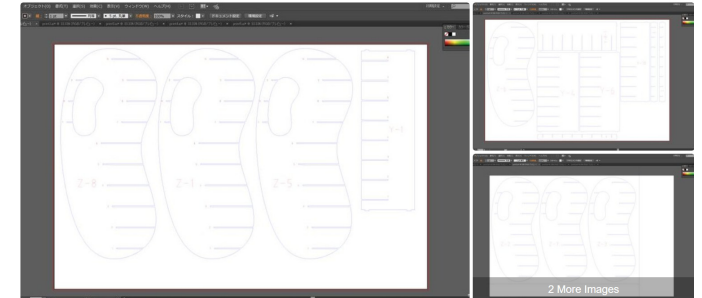
## Step 1: Image



1. Make the shape of the image by 123D Design.
2. Think about the structure by 123D Make.

[Add Tip](#) [Ask Question](#) [Comment](#) [Download](#)

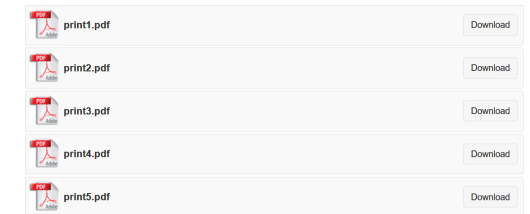
## Step 2: Data



Make the data by illustrator.

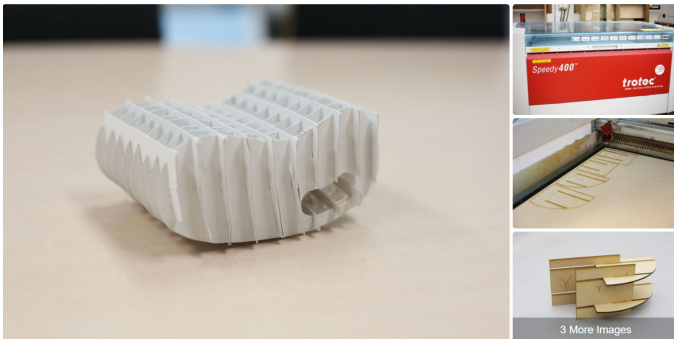
Line:0.001mm

art board size : 915x600mm



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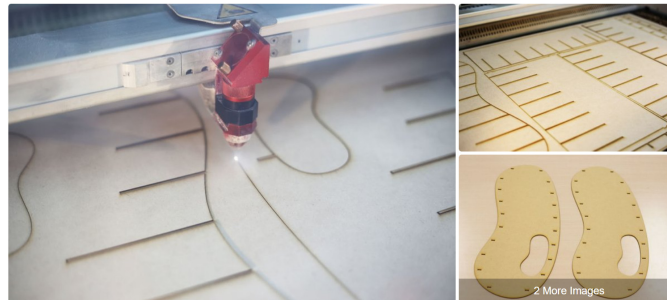
## Step 3: Test



To check the shape and size.

[Add Tip](#) [Ask Question](#) [Comment](#) [Download](#)

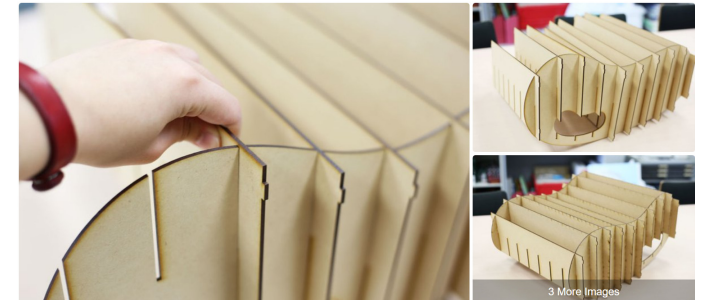
## Step 4: Cut



Cut MDF by laser cutter.

[Add Tip](#) [Ask Question](#) [Comment](#) [Download](#)

## Step 5: Assemble



Assemble parts.

[Add Tip](#) [Ask Question](#) [Comment](#) [Download](#)

# IKEA HACK:Stool→Umbrella Stand

Workshop > Furniture 83 1

© Instructables



This is an umbrella stand combining two stool from IKEA with using 3D printer.

### MATERIAL:

- FOSUTA STOOL (from IKEA)
- MARIUS STOOL (from IKEA)
- screw
- ABS

### TOOL:

- 3D Printer (Up mini2)
- Impact driver
- Hole-saw
- Pipe cutter

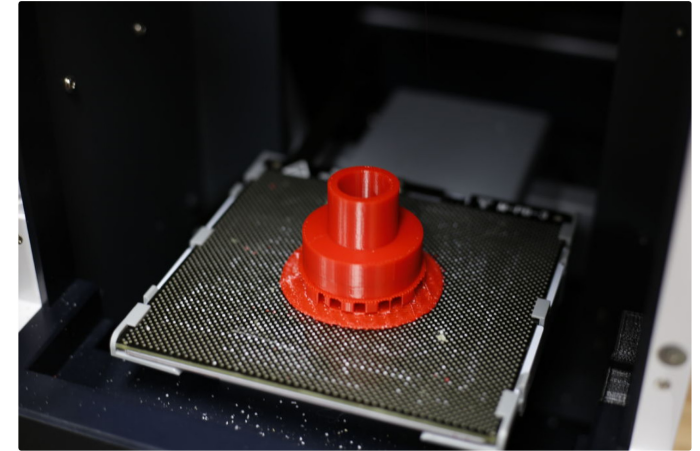
## Step 1: CUT



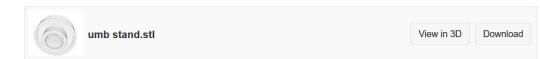
1. Cut the pipe leg in half.
2. Cut the wood leg.
3. Make a hole to guide where to screw.
4. Cut the seat of FROSUTA STOOL in circle with the radius of 15mm by using hole-saw.

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## Step 2: 3D PRINT

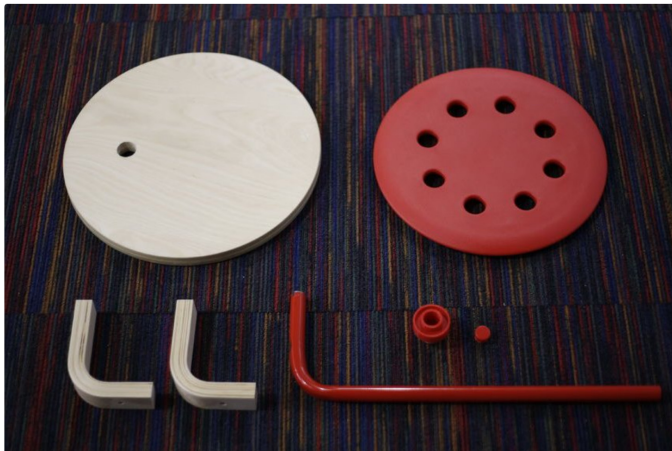


5. Output the part to joint the stool leg and the seat part.

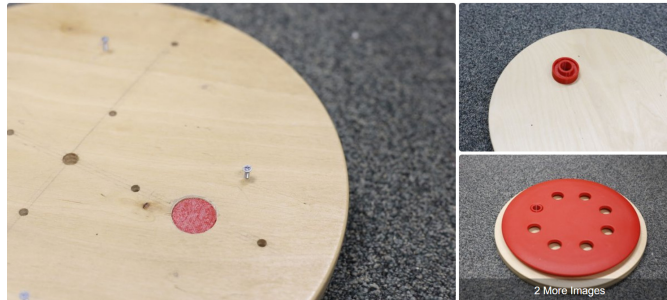


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## Step 3: Now You Have All the Materials to Build.



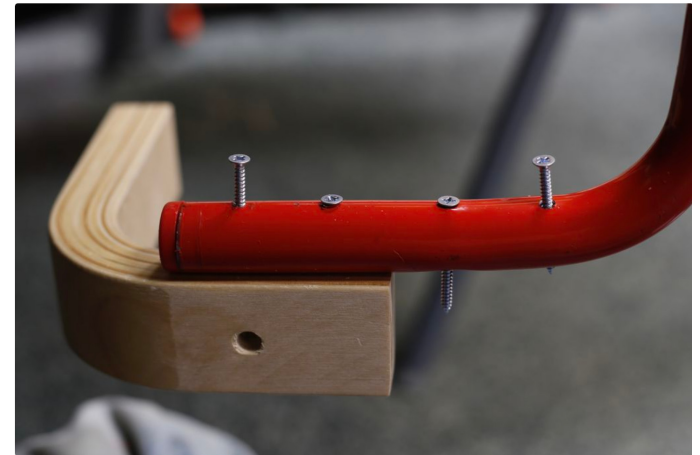
## Step 4: PUT IT IN



6. Put the joint into a hole.
7. Plate the MARIUS STOOL to the joint.
8. Screw.
9. Insert the pipe leg to the joint.

[Add Tip](#) [Ask Question](#) [Comment](#) [Download](#)

## Step 5: SCREW



10. Screw the wood leg to the pipe leg.

### Discussions

[Add Tip](#) [Ask Question](#) [Comment](#)

**1** [mehybauxa](#) 11 hours ago  
Hey there! This is such a cool project!  
We would love to feature this on our social media channels, but we're hoping you could make some updates to your project before we share it out.  
Would it be possible for you to add some additional explaining text to your project? Your images are great, but it would be great to have some details provided for how and the why you made the creative choices you did.  
If you have any questions, please feel free to ask right here or send us an email at [edit@instructables.com](mailto:edit@instructables.com).  
Thanks for helping us and sharing your DIY story!  
Also, you should enter this into the First Time Author Contest!  
<https://www.instructables.com/contest/firsttime/>  
Best,  
Instructables Community Manager

# IKEA HACK:Stool→Umbrella Stand

<https://www.instructables.com/id/IKEA-HACKStoolUmbrella-Stand/>



改變



# STOOL KIND OF DESK

Workshop > Furniture 126 1 Featured



this can be used as stool or desk either way you want.

### MATERIAL:

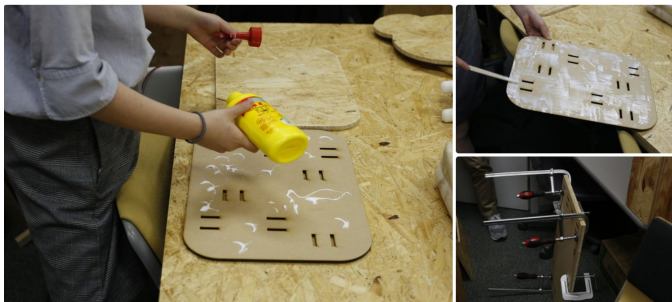
- OSB 12mm
- MDF 5.5mm
- Round wood bar()
- Screw(4\*16)
- ABS

### TOOL:

- Laser cutter (Tortec speedy 400)
- 3D Printer (Up mini2)

This idea is from yamashitaken.(<https://www.instructables.com/id/KUMU-Stool/>)

## Step 5: TOP



8.Bond MDF and OSB.

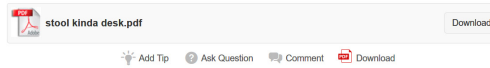
9.Cramp tight.

Add Tip Ask Question Comment Download

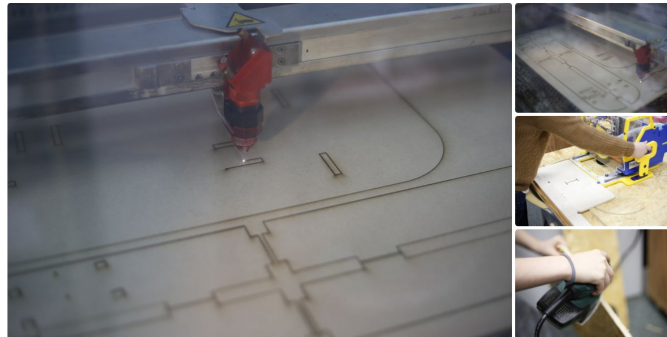
## Step 1: DATA

1.Make data by Rhinoceros.

3.Save plan as .ai(Adobe illustrator).



## Step 2: CUT



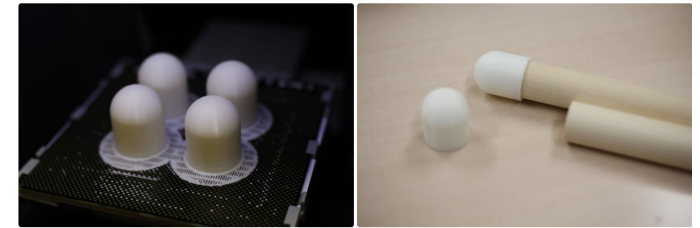
4.Cut MDF by using Laser cutter.

5.Cut OSB by CNC.

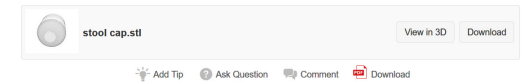
6.Sander the OSB.

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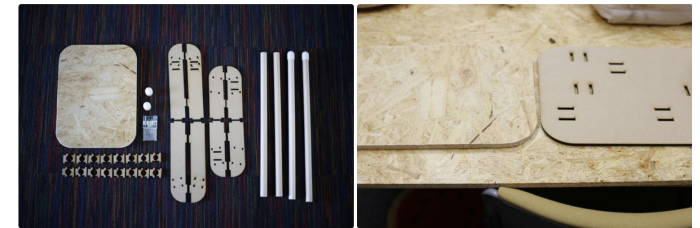
## Step 3: 3D PRINT



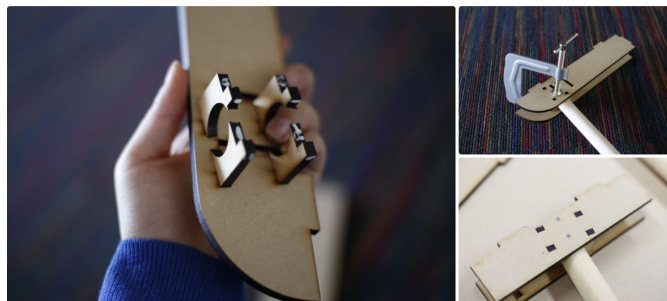
7.Output cap part of the leg.



## Step 4: This Is the Materials You Will Need.



## Step 6: LEG



10.Put together the leg part.

11.Cramp.

12.Screw.

Add Tip Ask Question Comment Download

## Step 7: DONE!



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# Temari Earrings

Craft > Fashion 25



It is old in Japan, and this is a certain toy. I lowered it and had earrings.

Add Tip Ask Question Comment Download

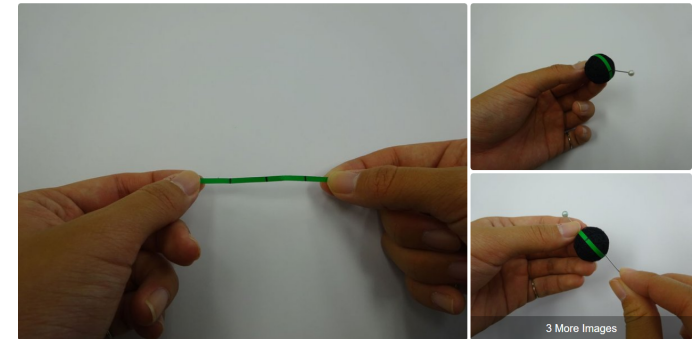
## Step 1: Materials



Prepare cotton, thread, metal fittings. The color I choose is black, white, red, gold.

Add Tip Ask Question Comment Download

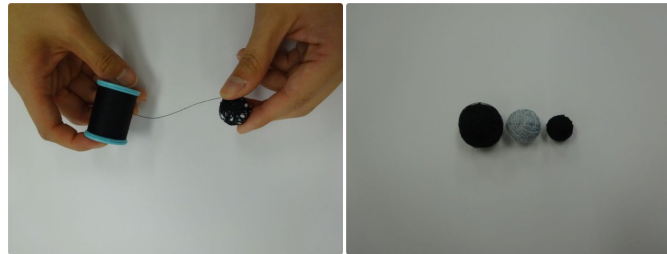
## Step 3: Make the Axis



Mark with a pin first. Cut the paper tape from the pin to the length of one turn. It folds the paper tape quarterly. Win a paper tape on a square and put a pin at the fold.

Add Tip Ask Question Comment Download

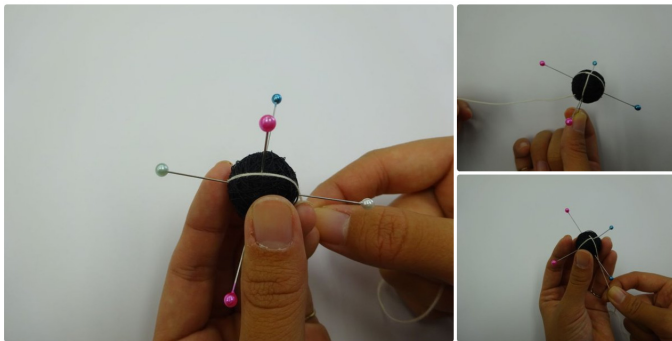
## Step 2: Winding Thread



Winding thread on rolled cotton.

Add Tip Ask Question Comment Download

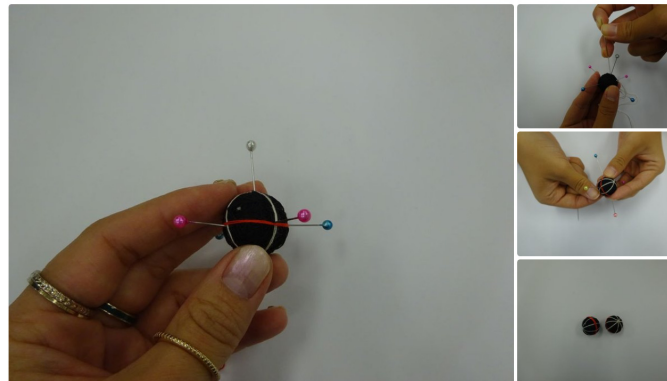
## Step 4: Saw the Baseline



To divide a ball into four equal parts.

Add Tip Ask Question Comment Download

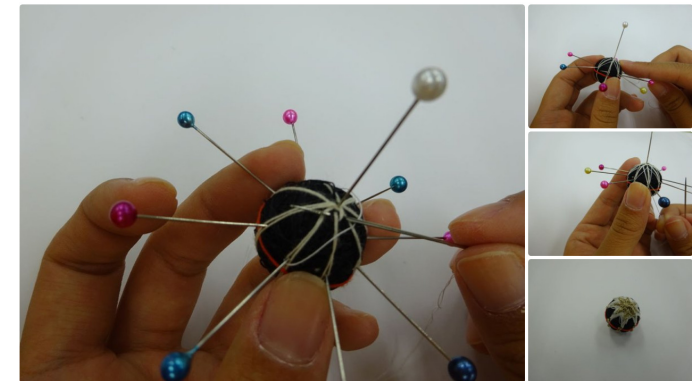
## Step 5: Divide Into Eight Equal Parts



Put a pin in between and divide it into 8 equal parts. Sew with thread.

Add Tip Ask Question Comment Download

## Step 6: Begin in Stitch a Pattern



I made the design that wants to make guide lines in a mark.

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# Tsumami Accessory

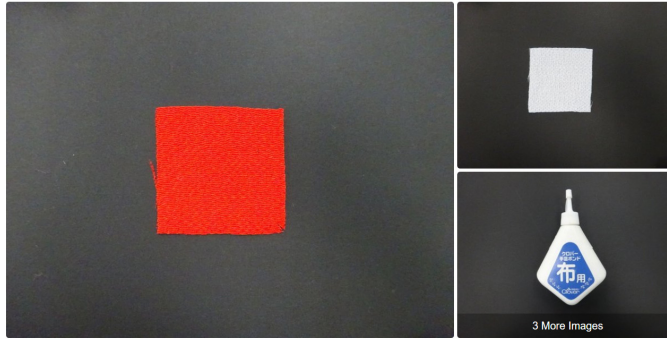
Craft > Sewing 22



tsumami accessory is Japanese traditional accessories.

Add Tip Ask Question Comment Download

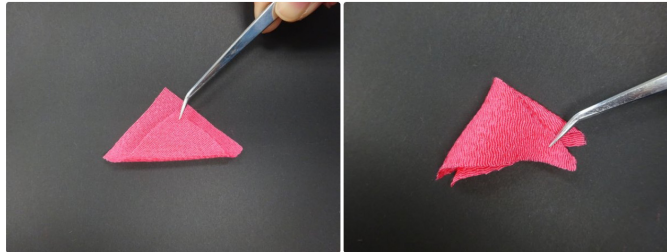
## Step 1: Materials



There is materials.

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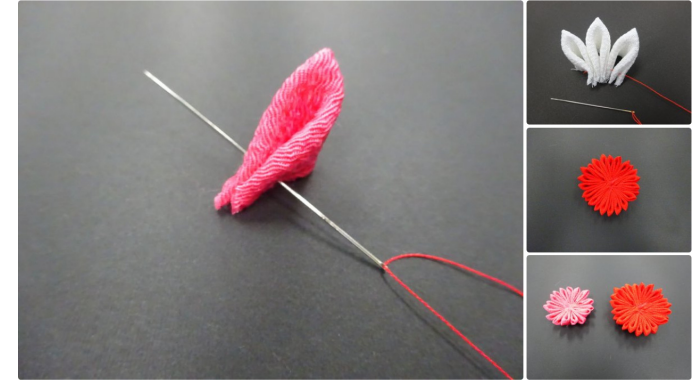
## Step 2: How to Make



Fold cloth into a triangle.

Fold it further in half.

## Step 3: How to Make



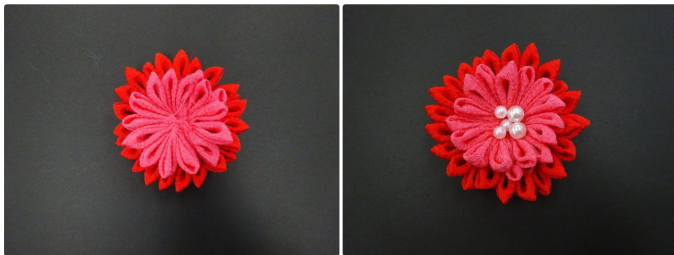
Pass a needle through one part.

It repeated hull of round it.

It repeat there two times of work.

Add Tip Ask Question Comment Download

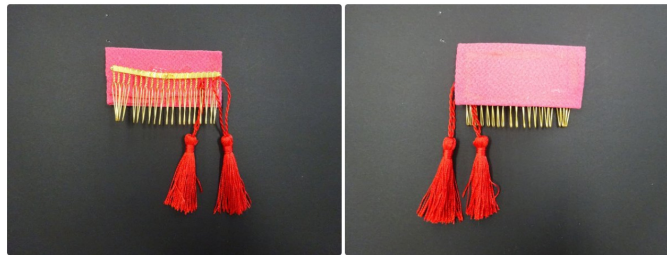
## Step 4: How to Make



It ride small one on a big things and add a pearl in the center.

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## Step 5: How to Make



Put cloth on the cardboard.

Attach cardboard and comb.

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## Step 6: Last Work



Attach tumami to the comb.

Add Tip Ask Question Comment Download



## How to Dress in a Yukata

Costumes > Funny > 137 > 2 > Featured



Yukata is a traditional Japanese outfit, which is often worn during the summertime.

### Step 2: Step2



Put on a slip called the "hadagi".

### Step 5: Step 5



Cross the koshihimo in the back and tie it in the front.

### Step 8: Step 8:How to Tie an Obi for Yukata



Take about 16 or an arm's length from one obi end and fold it in half. Hold this end on your left.

Fold the right end to make a triangle shape.

### Step 11: Step 11



Bring left to the upper center and bring vertical line.

Open up the right. Bring the right from the center to the right and fold to the front.

Decide the ribbon length and fold.

### Step 13: Step 13



Move the ribbon the back.

# Animal Pom Pon

Craft - Art 156 3 3 3 Featured



It's an animals brooch made from yarns.

Add Tip Ask Question Comment Download

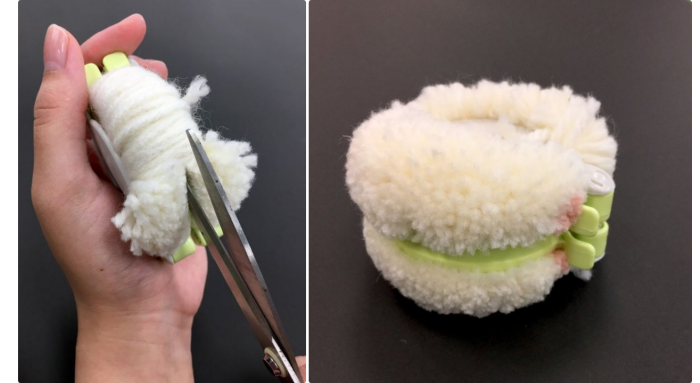
## Step 2:



Wind a yarn onto the Pom pon maker.

Add Tip Ask Question Comment Download

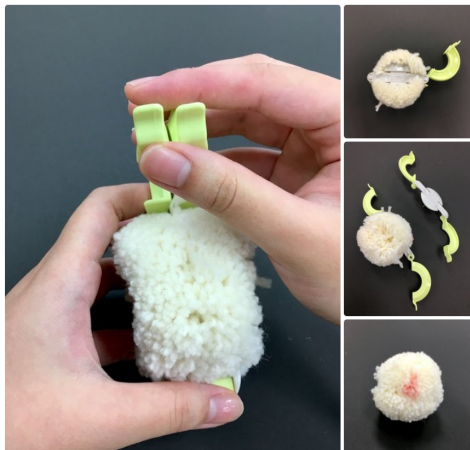
## Step 3:



Cut with scissors.

Add Tip Ask Question Comment Download

## Step 5:



Remove the pom pon from pom pon maker.

Add Tip Ask Question Comment Download

## Step 7:



Cut yarn into small pieces with scissors.

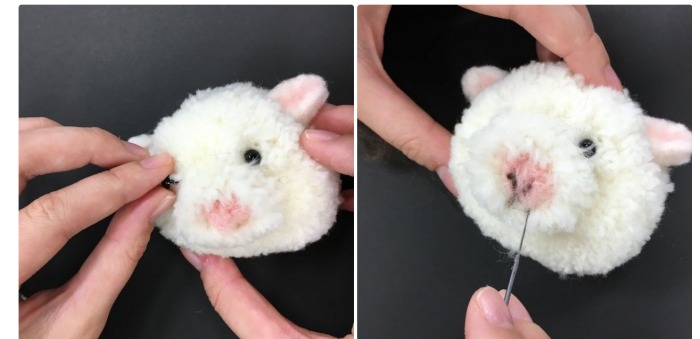
Disentangle a yarn.

Gather into one bundle and shape into ear.

Unite ear with pom pon.

Add Tip Ask Question Comment Download

## Step 8:



Put eyes in the face.

Put the line of nose and mouth with wool.

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## まとめ

- ・ 人に伝えることを意識したまとめ方
- ・ 制作時に写真等の記録をとる習慣
- ・ 似た取り組みとの比較
- ・ 授業で同じようなものを作り、公開する場合は注意が必要
- ・ 外部からの意見