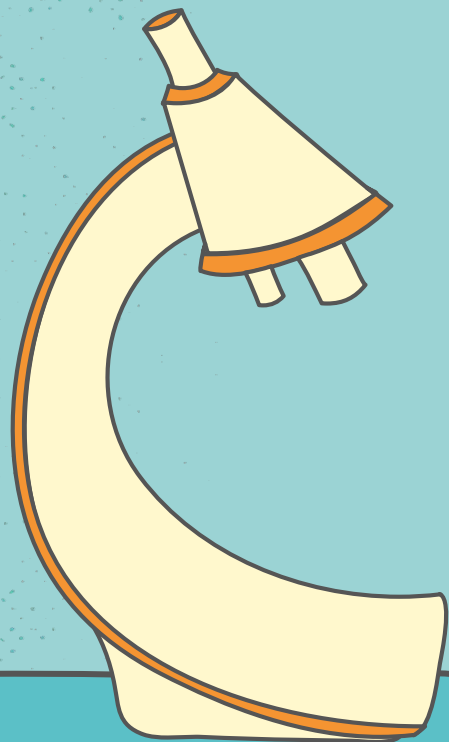


10/12 共備

羅東國小 林雅雲





01

磁鐵具有磁力

You could enter a subtitle here if you need it



學習內容

INe-II-7磁鐵具有兩極，同極相斥，異極相吸；磁鐵會吸引含鐵的物體。磁力強弱可由吸起含鐵物質數量多寡得知。



學習表現



11

<https://cirn.moe.edu.tw/WebContent/index.aspx?sid=11&mid=6851>



-CIRN



學習目標

透過預測與操作了解哪些物品可以被磁鐵吸引，並歸納出可以被磁鐵吸引的物品是鐵製品。



探究教學

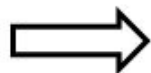


思考與對話

起

導入活動：

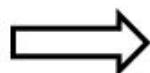
檢視情境
發現問題
提出假說



承

觀察實作：

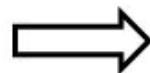
規劃實驗
蒐集數據
驗證假說



轉

討論解釋：

分析數據
形成解釋
討論分享



合

結論統整：

推理論證
形成結論
創新應用

情境鋪陳
關鍵提問

思考與對話

起 導入活動



[https://www2.nhk.or.jp/school/movie/banqu
mi.cgi?das_id=D0005110397_00000](https://www2.nhk.or.jp/school/movie/banqu
mi.cgi?das_id=D0005110397_00000)



-Someone Famous

https://docs.google.com/document/d/1r97AzEgZMC5JpWTUjYRz_g1gYgDXdWSg/edit



-Someone Famous

Thanks!

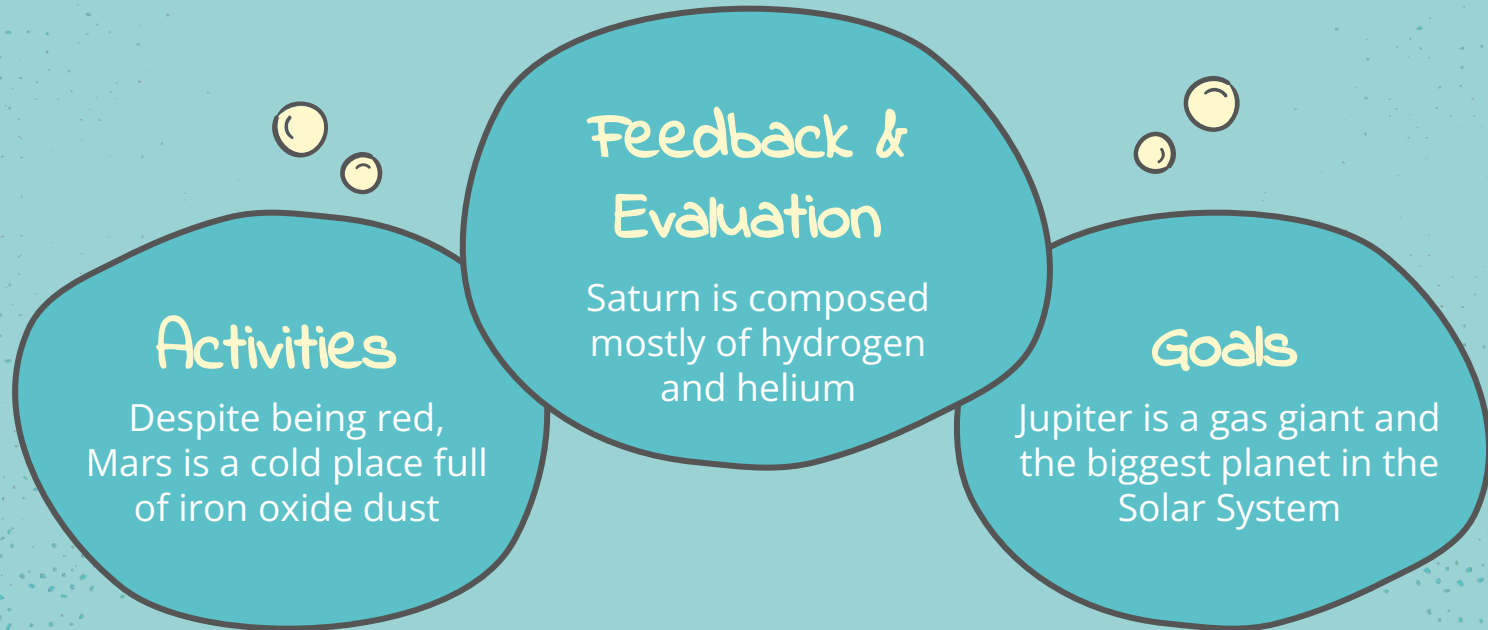
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Our Teaching Method



what sets us Apart



Mercury

Despite being red, Mars is actually a cold place full of iron oxide dust



Neptune

Neptune is the fourth-largest planet in the Solar System



Mars

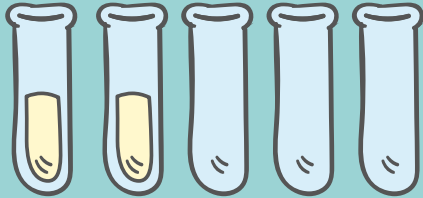
Jupiter is a gas giant and the biggest planet in the Solar System

The Curriculum

Initial
60%



Advanced
40%



Content 1	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Content 2	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Content 3	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Content 4	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
Content 5	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Content 6	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>

Academic Areas



Mars

Mars is actually a cold place



Venus

Venus is the second planet from the Sun



Mercury

It's the closest planet to the Sun



Jupiter

It's the biggest planet of them all



Saturn

Saturn is a gas giant and has rings



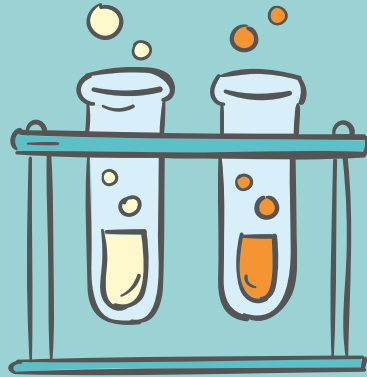
Neptune

It's the farthest planet from the Sun

Our Mission and vision

Mission

Mercury is the closest planet to the Sun and the smallest one in the Solar System



Vision

Venus has a beautiful name and is the second planet from the Sun. It's terribly hot

Our values



Loyalty

Mercury is a bit larger than the Moon



Efficiency

Despite being red, Mars is actually a cold place



Reliability

Venus is the second planet from the Sun



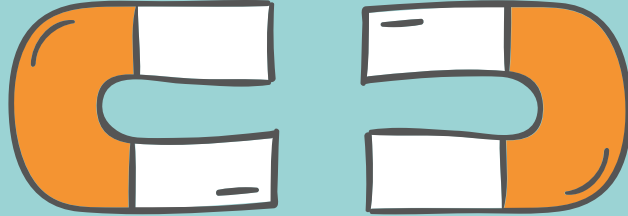
Commitment

Neptune the farthest planet from the Sun

Our Success

800K

Despite being red, Mars is actually a cold planet



900

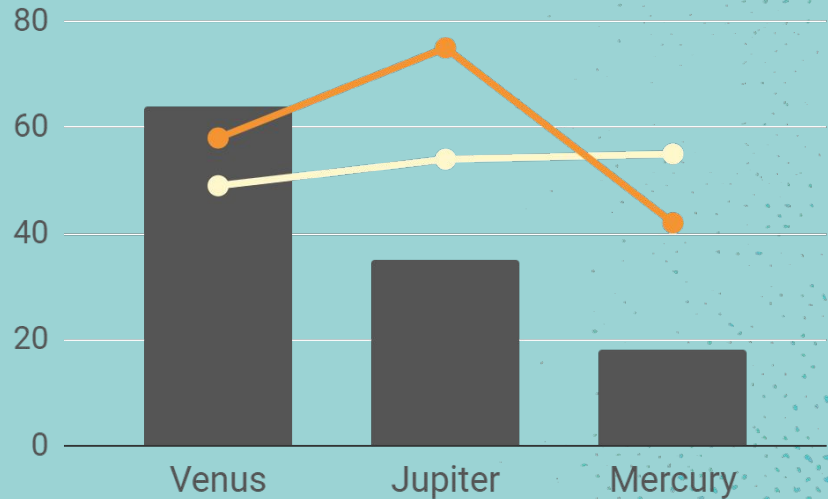
K is composed of hydrogen and helium

Statistics

54% Saturn stats

78% Neptune stats

To modify this graph, click on it, follow the link, change the data and paste it here





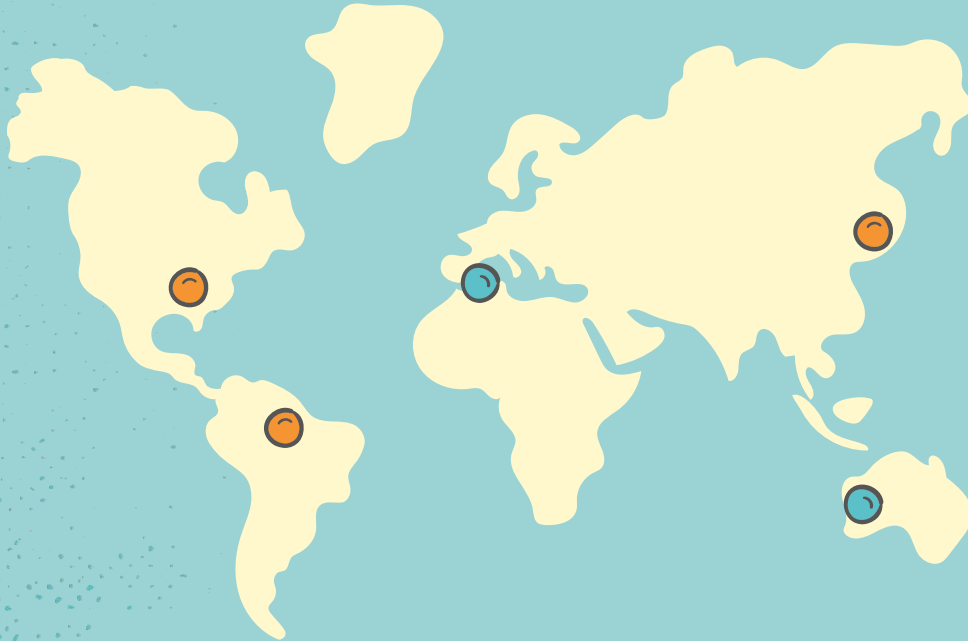
A Picture
Is worth
a
Thousand
words



4,000,300

Big numbers catch your audience's attention

Students Around the world



This is a map where you can mark the size of your audience

Jupiter is the biggest planet in the Solar System and the fourth-brightest object in the night sky

our Teachers



John James

You can talk about
the actions here



Jenna Doe

You can talk about
the actions here



Jane Patt

You can talk about
the actions here

Our Goals

```
graph TD; A((Our Goals)) --- B((Saturn  
It has several rings)); A --- C((Mars  
It's a cold place)); A --- D((Neptune  
It's the farthest one)); A --- E((Pluto  
It's a dwarf planet)); A --- F((Venus  
It's quite hot)); A --- G((Jupiter  
It's the biggest one));
```

Saturn

It has several rings

Mars

It's a cold place

Neptune

It's the farthest one

Pluto

It's a dwarf planet

Venus

It's quite hot

Jupiter

It's the biggest one

Student Process



1st Term

Mercury is the smallest planet

2nd Term

Jupiter is the biggest planet

3rd Term

Despite being red, Mars is a cold place

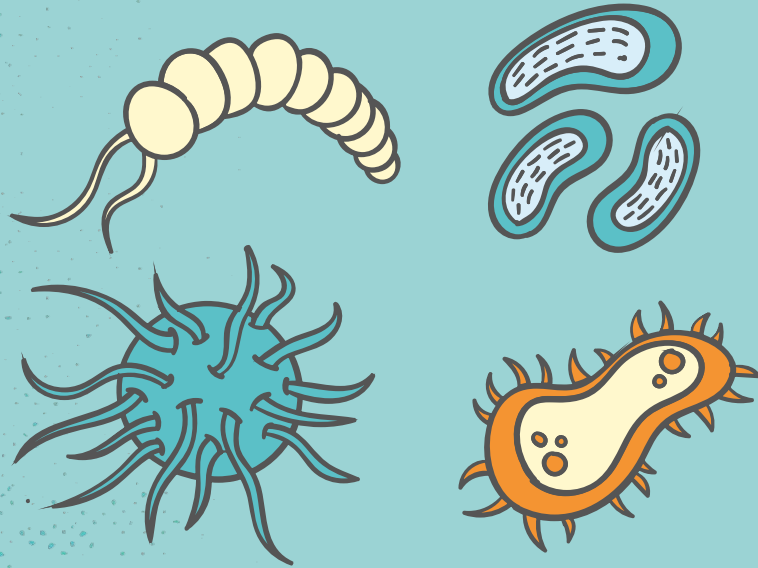
4th Term

Saturn is a gas giant and has rings

Enrollment Process

1st	Process	You could state one of your enrollment processes here
2nd	Process	You could state one of your enrollment processes here
3rd	Process	You could state one of your enrollment processes here
4th	Process	You could state one of your enrollment processes here

Special Reminders



- Saturn is composed of hydrogen and helium
- Jupiter is the biggest planet of them all
- Despite being red, Mars is a cold place
- Mercury is the closest planet to the Sun

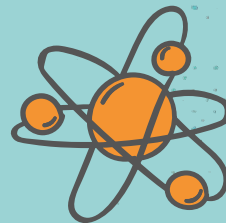
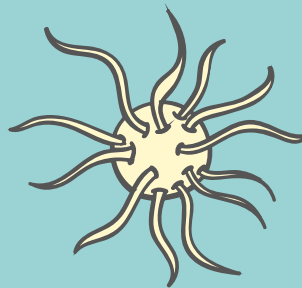
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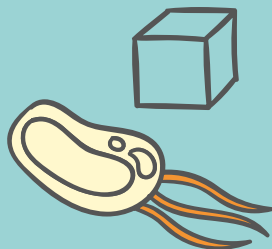
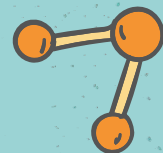


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- Side view of female scientist holding lab glassware with substance
- Young female chemist and chemistry tubes
- Top view skeleton
Front view of female scientist with microscope
- Front view scientist looking through a microscope

vectors:

- Vintage science education background
- Vintage science education wallpaper
- Hand drawn different viruses collection
- Vintage science education background
- Hand-drawn marketing background with yellow details
- Marketing background with hand-drawn icons

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#fbd98c

#f49432

#555555

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Pana



Amico



Bro

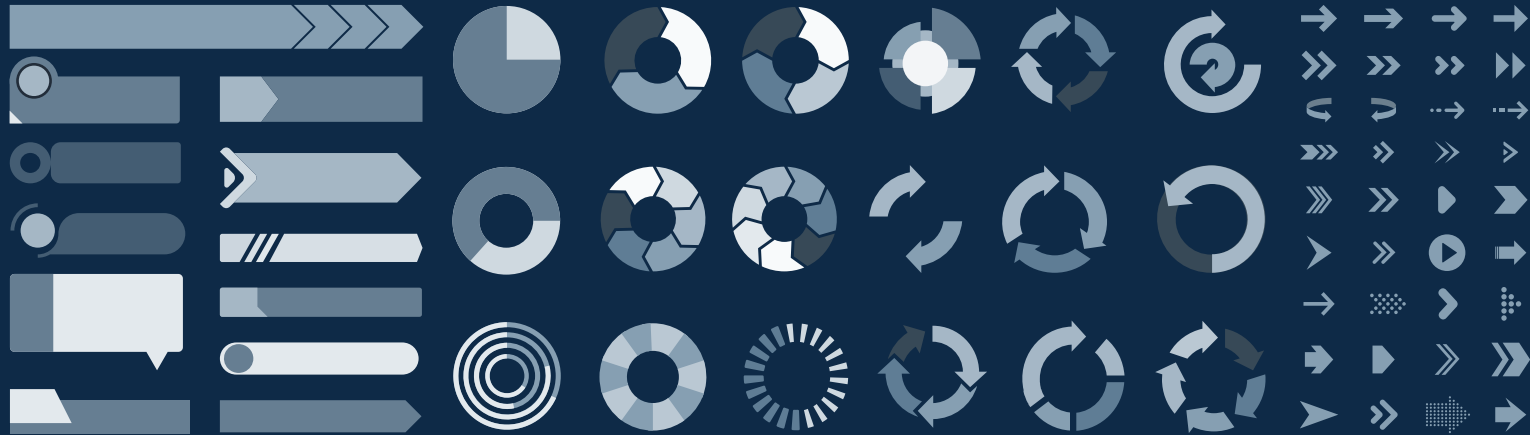


Rafiki

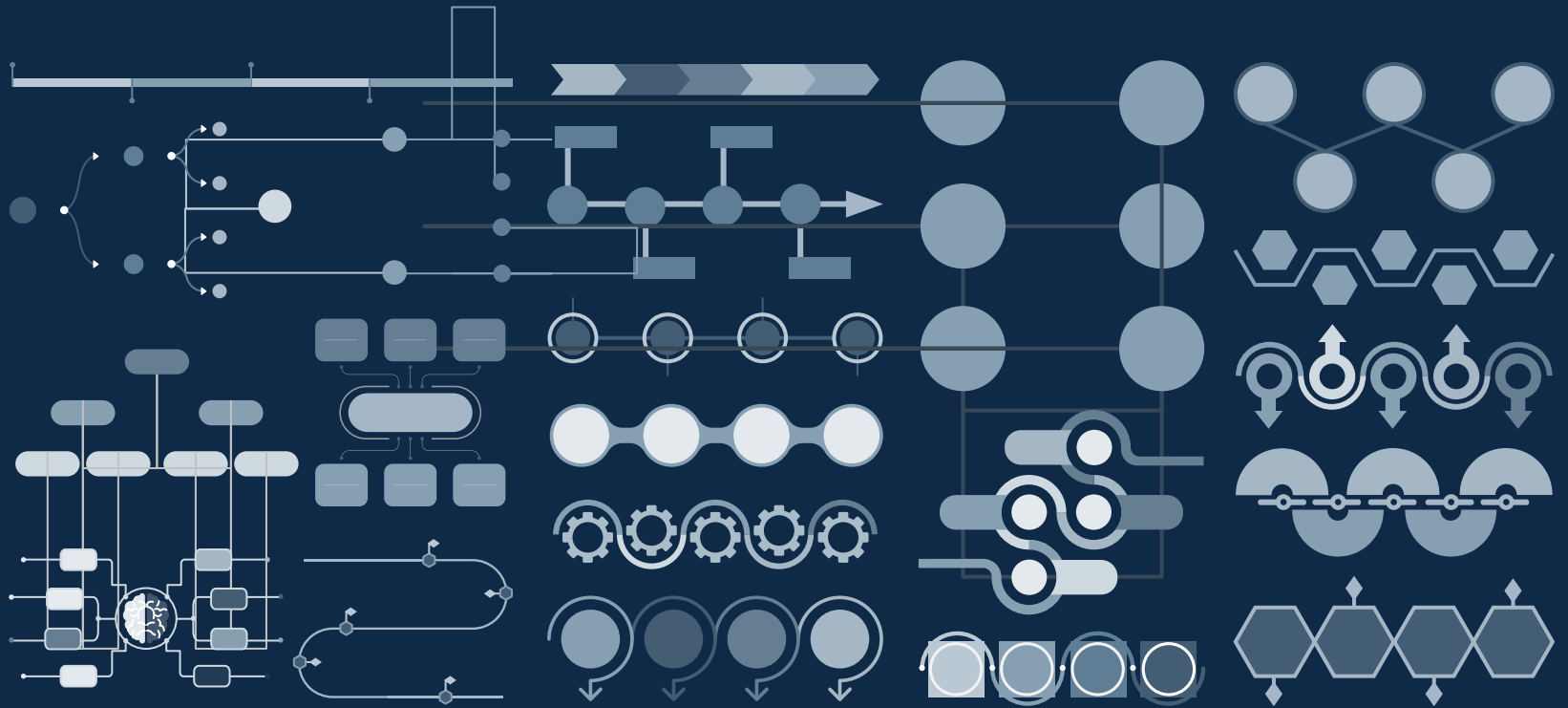
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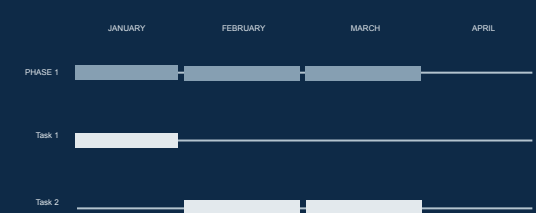
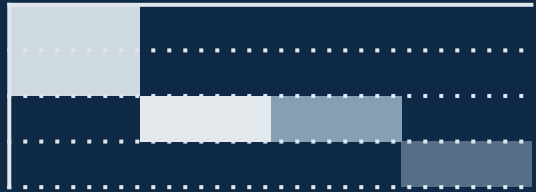
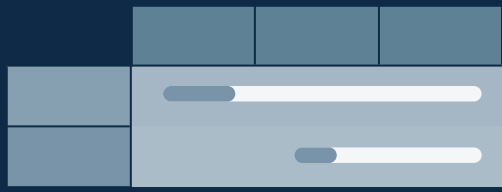
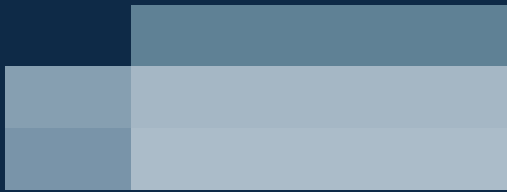
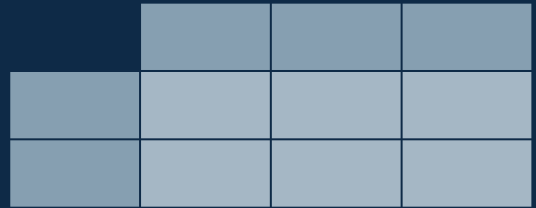
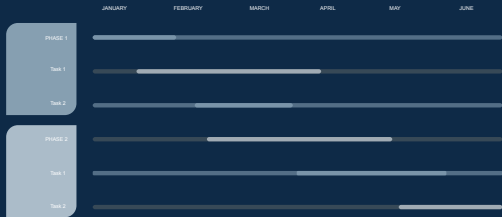
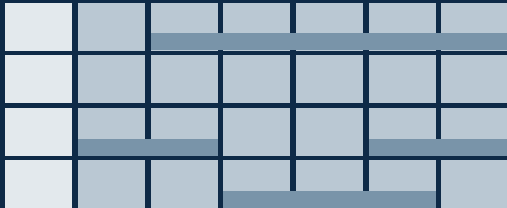
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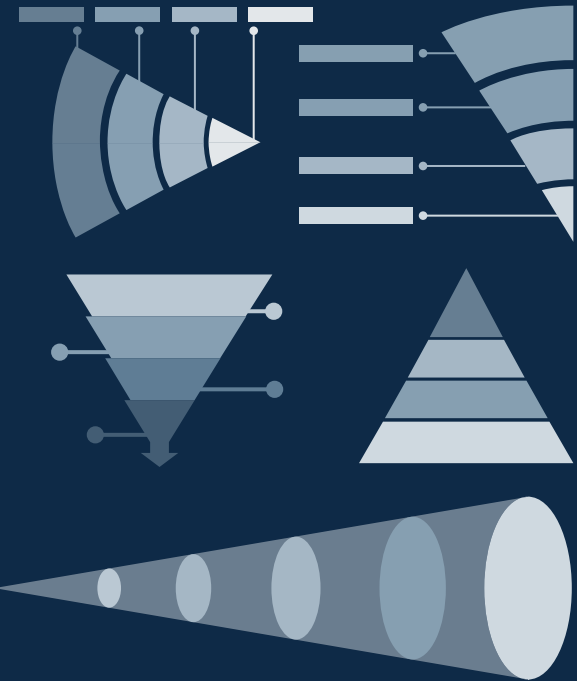
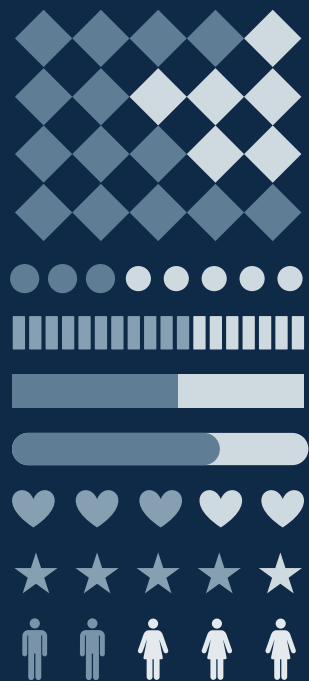
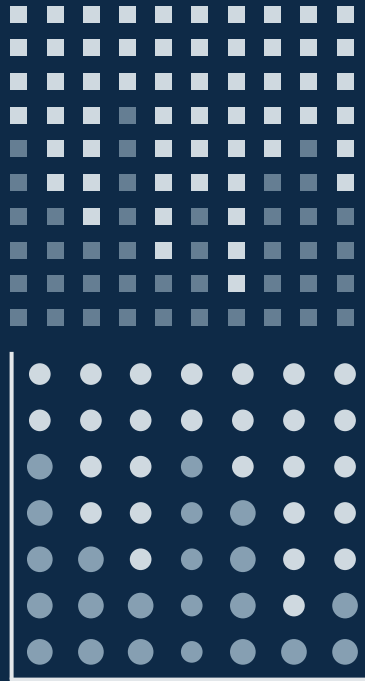












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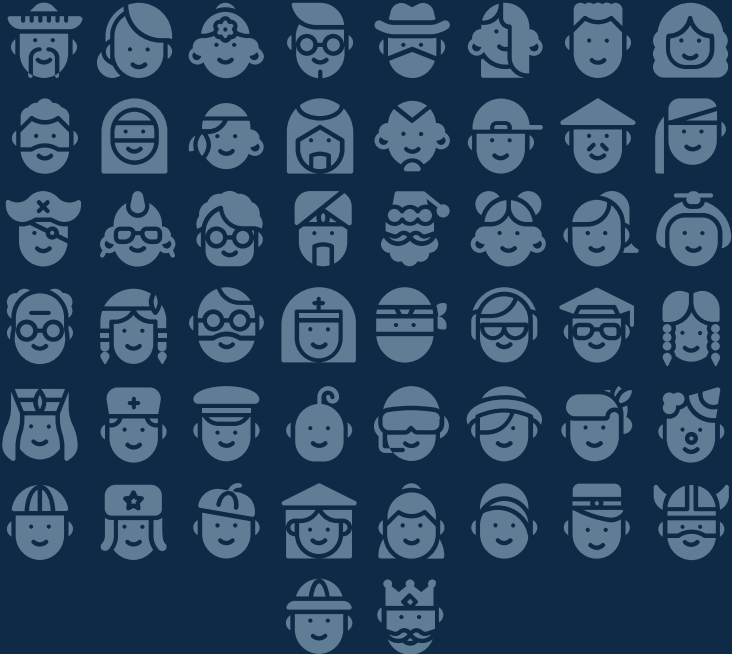
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