

# ICT Tools *For* Science

**AR / VR/ Simulations /  
Virtual Labs**



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In conjunction with AAC

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Throughout the session

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Throughout the session



01

# Usage Principles

What should be the way of integration





## **Share your experiences and reflections**

Have you used AR/ VR/ Online Labs?


What are your observations? Gaps identified?

Chat/ Unmute to reply





## Gaps and experiences

- Easy to understand
  - Repetitive. Self-paced
  - Interesting
  - Tangible but abstract
  - Practical experience missing
  - Seriousness and reality missing
  - Skills missing
- 



## **Concept 1**

DIY follow-up



## **Concept 2**

Critical thinking



**That is**  
**YOUR**  
**skill**

# STEPS

1. **PROD THINKING**
2. **EXPLORE AND SHARE**
3. **DIY ACTIVITES**







# 02 Websites and Apps

FOSS, Resources and  
Freemium



# DEMO



<https://stellarium-web.org/>



<http://www.olabs.edu.in/>



<https://learninglab.si.edu/#sll-create>



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

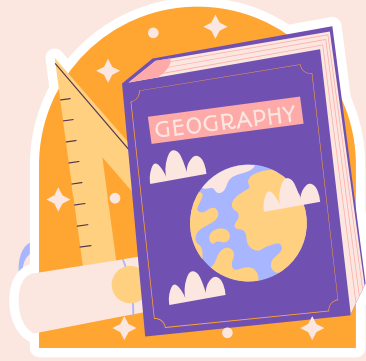
<https://edu.rsc.org/eic>



<https://www.pbslearningmedia.org/resource/lsp07.sci.phys.matter.ionicbonding/ionic-bonding/#.Wh73dVWnHIV>

# Science:

**It's not just the facts! It is to think!**



<https://ajitadeshmukh.wordpress.com/>

# Examples



## Mercury

It's the closest planet to the Sun



## Mars

Despite being red, Mars is actually cold



## Jupiter

Jupiter is the biggest planet of them all



## Saturn

Saturn is a gas giant and has several rings



## Venus

Venus is the second planet from the Sun



## Neptune

Neptune is very far away from Earth

**A picture is worth a  
thousand words**





# Recommendations

Do you know what helps you make your point clear? Lists like this one:

- They're simple
- You can organize your ideas clearly
- You'll never forget to buy milk!

And the most important thing: the audience won't miss the point of your presentation



# Timeline

## Saturn

Saturn is a gas giant  
and has rings

## Mercury

Mercury is the closest  
planet to the Sun

01

## Venus

Venus is the second  
planet from the Sun

02

## Saturn

Saturn is a gas giant  
and has rings

03

## Mars

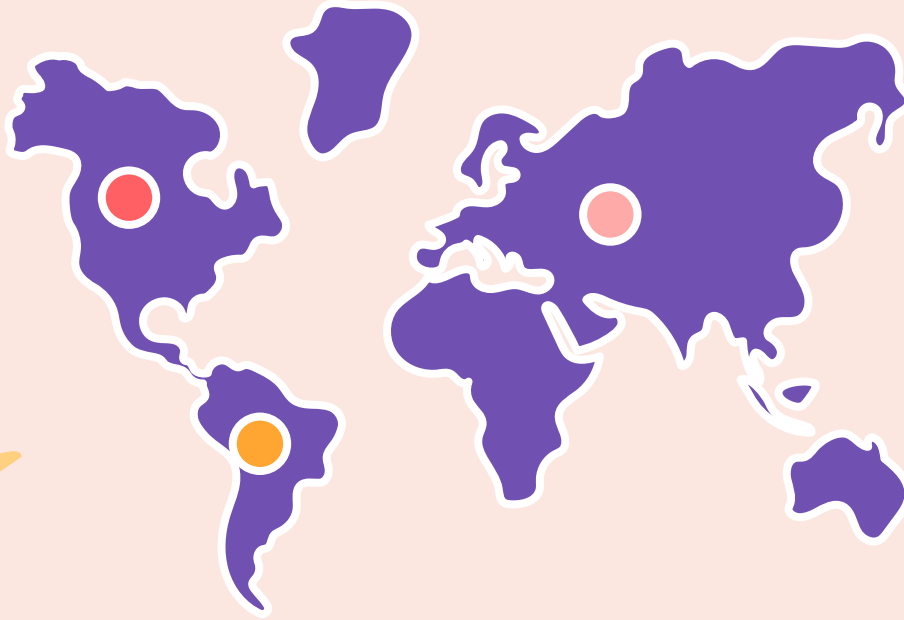
Despite being red,  
Mars is actually cold

04

## Mercury

Mercury is the closest  
planet to the Sun

# Map



## Jupiter



Jupiter is the biggest planet of them all

## Mercury



It's the closest planet to the Sun

## Venus



Venus is the second planet from the Sun



# Infographics

20%

**Mercury**

It's the closest planet to the Sun

10%

**Saturn**

Saturn is a gas giant and has rings



60%

**Mars**

Despite being red, Mars is a cold place

10%

**Venus**

Venus is the second planet from the Sun

# This is a graph



**30%**

**Mars**



Despite being red, Mars is actually a cold place

**20%**

**Neptune**



Neptune is the farthest planet from the Sun

**50%**

**Saturn**



Saturn is composed of hydrogen and helium

Follow the link in the graph to modify its data and then paste the new one here. For more info, click here



# Here's a calendar

Mon	Tue	Wed	Thu	Fri	Sat	Sun
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

## Activity week

Saturn is a gas giant and has rings

## Holidays week

It's the closest planet to the Sun



**43 millions**

Big numbers catch your  
audience's attention





**333,000.000**

The Sun's mass compared to Earth's

**386,000 km**

Distance between Earth and the Moon





## Practical exercise

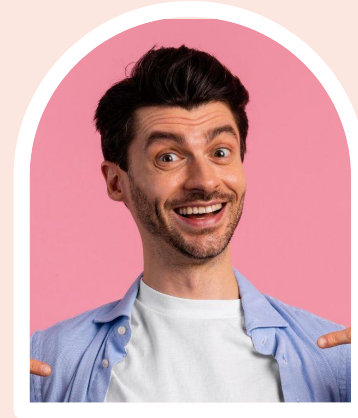
1. Enter here the instructions
2. Enter here the instructions
3. Enter here the instructions
4. Enter here the instructions
5. Enter here the instructions
6. Enter here the instructions
7. Enter here the instructions

# Our team



**Jenna Doe**

You can talk a bit about this person here



**Tim Jimmy**

You can talk a bit about this person here



# Mockup



## Desktop

You can replace the image on the screen with your own work. Just right-click on it and select “Replace image”





# Thanks!

Do you have any questions?

youremail@freepik.com  
+91 620 421 88  
yourcompany.com



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# Alternative resources

Here's an assortment of alternative resources whose style fits that of this template:

## Photos:

- Man and woman best friends portrait
- Medium shot happy children in park
- Girl holding magnifying glass full shot
- Full shot kids playing outdoors

## Vectors:

- Naive geography stickers





# Resources

Did you like the resources used in this template? Get them for free at our other websites:

## Photos:

- Medium shot happy children outdoors
- Full shot girl holding magnifying glass
- Studio portrait of beautiful women
- Front view of smiley man pointing to himself

## Vectors:

- Hand drawn autumn sale background
- Naive geography stickers I
- Naive geography stickers II
- Naive geography stickers III



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(<https://fonts.google.com/specimen/Passion+one>)

## Comfortaa

(<https://fonts.google.com/specimen/Comfortaa>)

#50334d

#fce6e0

#feaaa8

#7051b2

#ffa532

#ffd080

#ff6064

# Storyset

Create your Story with our illustrated concepts. Choose the style you like the most, edit its colors, pick the background and layers you want to show and bring them to life with the animator panel! It will boost your presentation. Check out [How it Works](#).



Pana



Amico



Bro



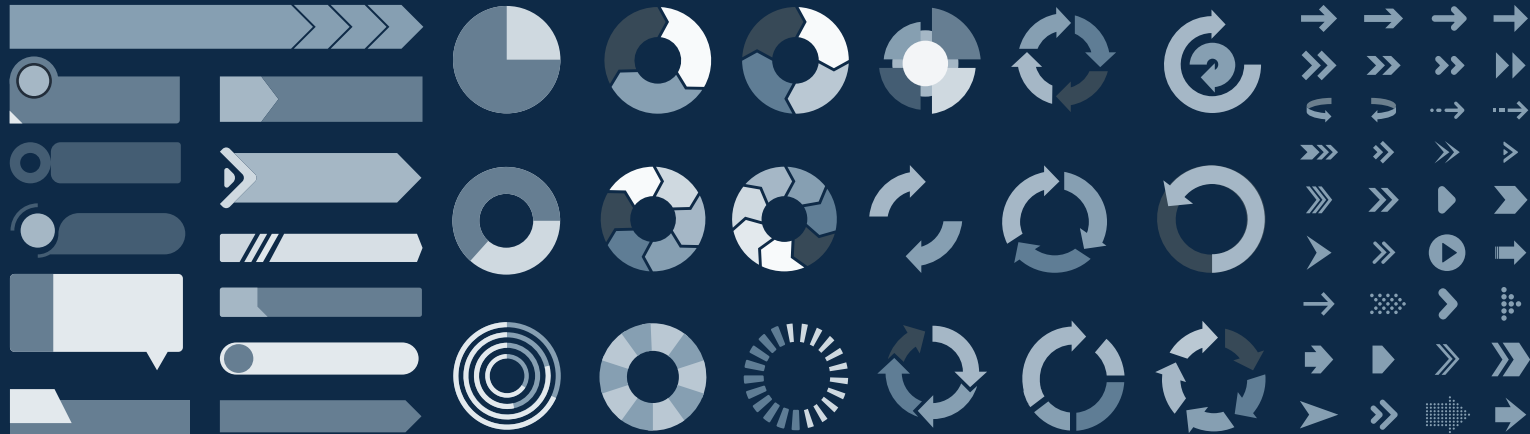
Rafiki



Cuate

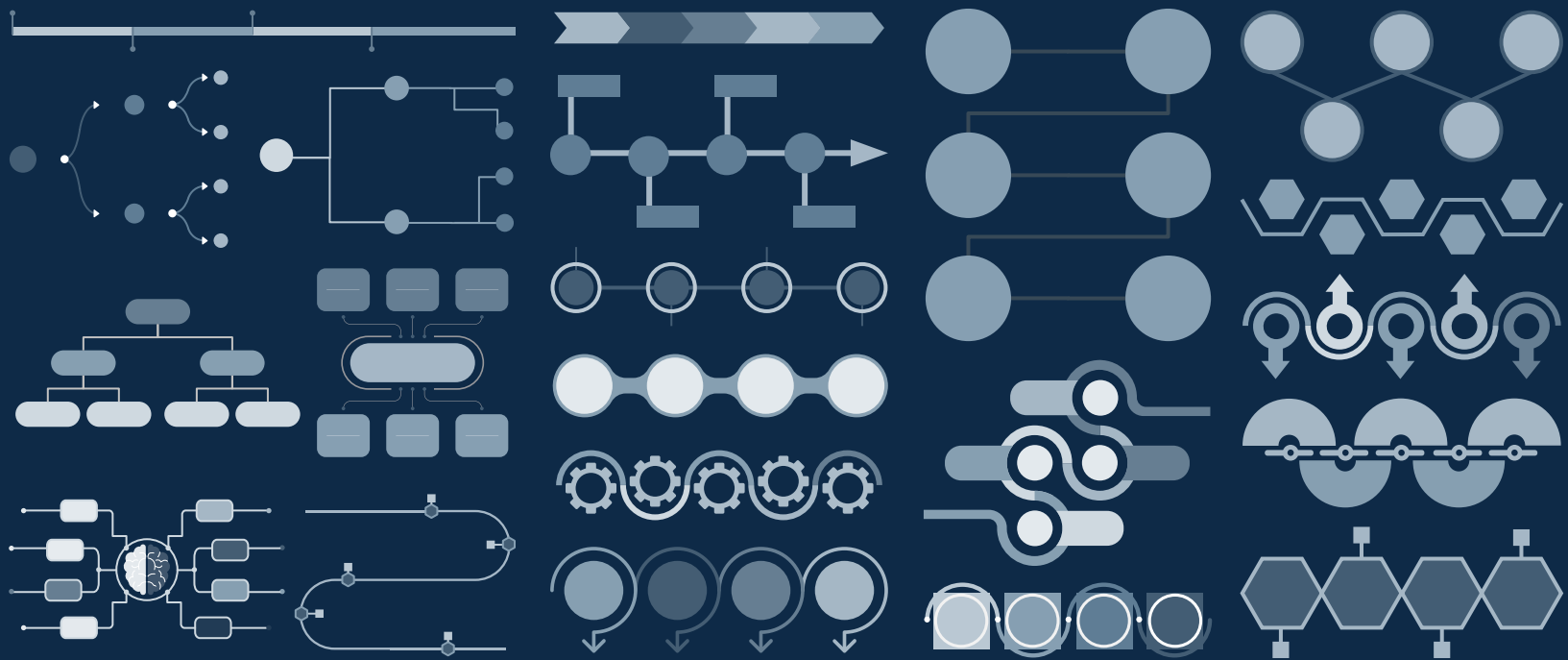
# Use our editable graphic resources...

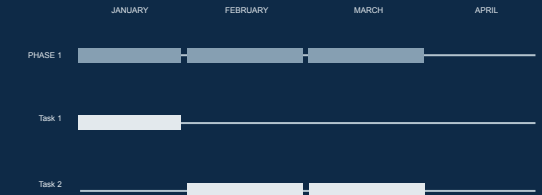
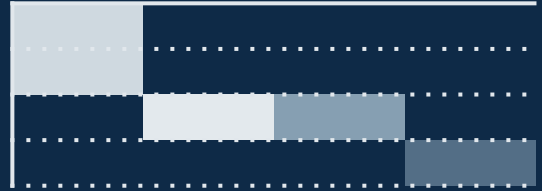
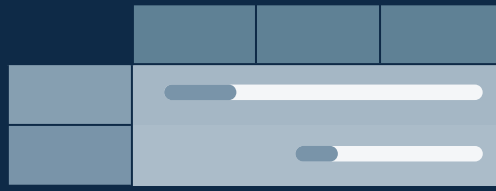
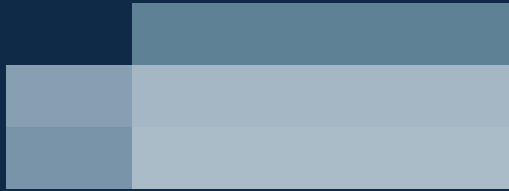
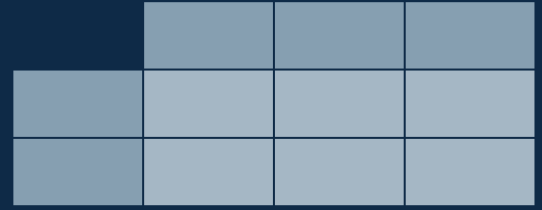
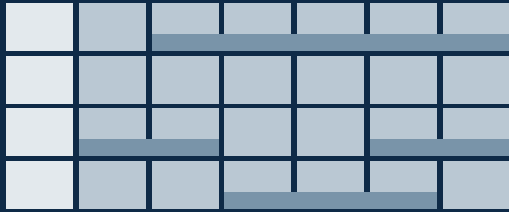
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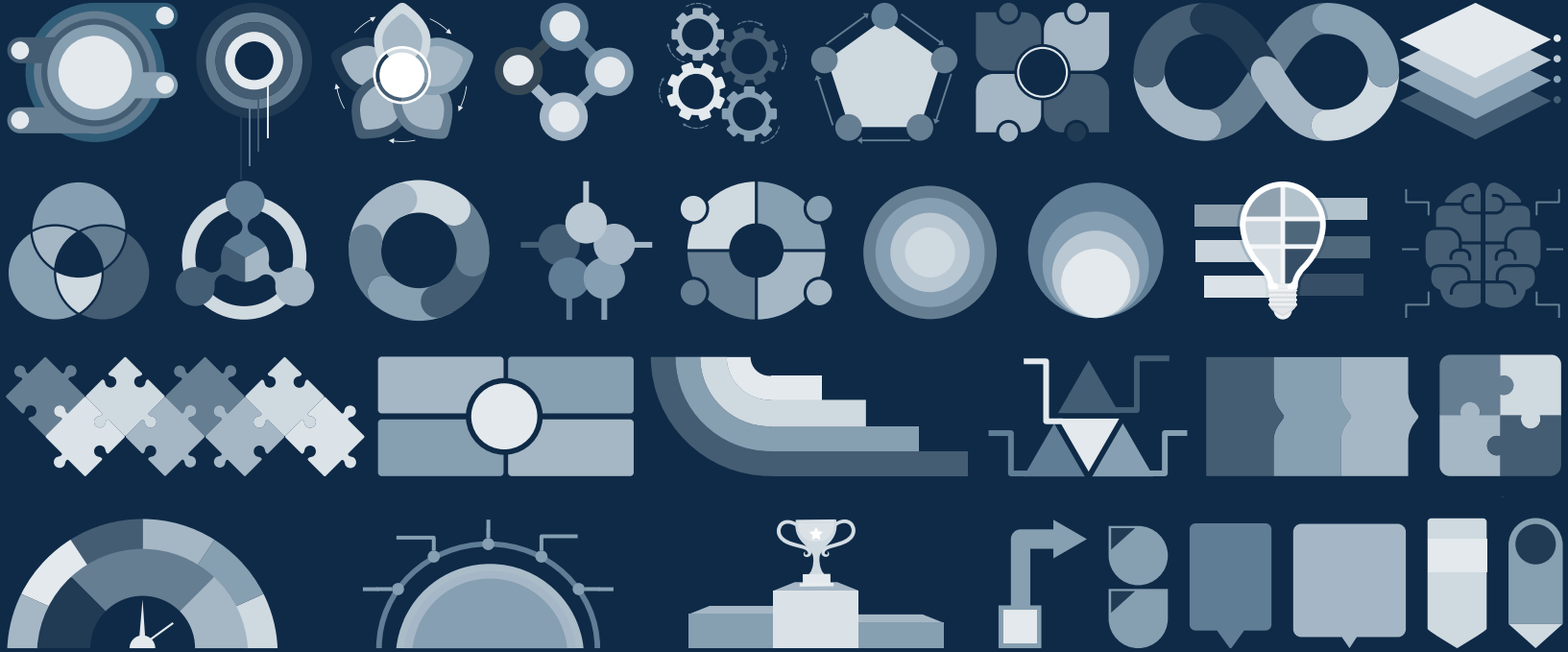


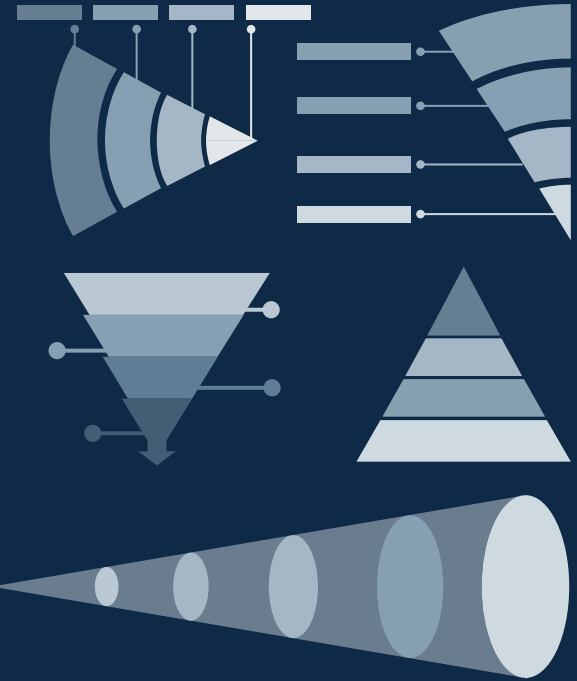
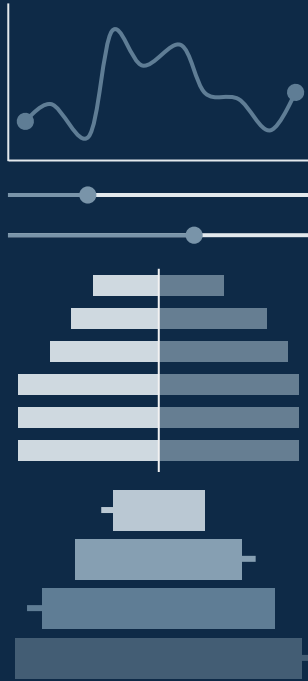
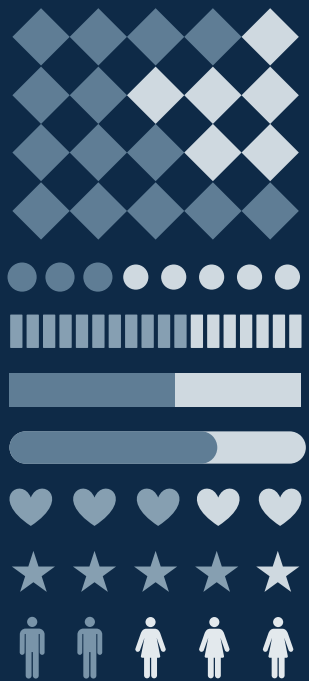
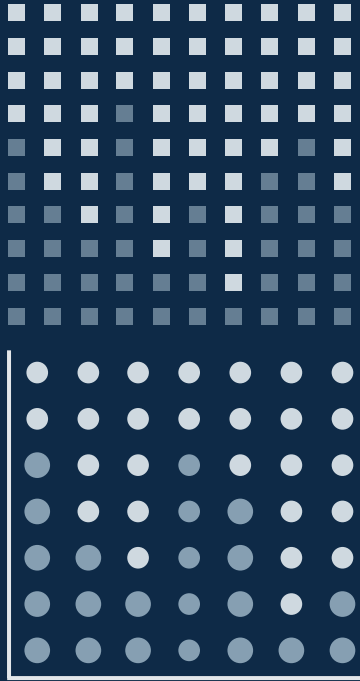












# ...and our sets of editable icons

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In Google Slides, you can also use Flaticon's extension, allowing you to customize and add even more icons.



## Educational Icons



## Medical Icons



## Business Icons



## Teamwork Icons





# Help & Support Icons



# Avatar Icons



## Creative Process Icons



## Performing Arts Icons



# Nature Icons



# SEO & Marketing Icons



