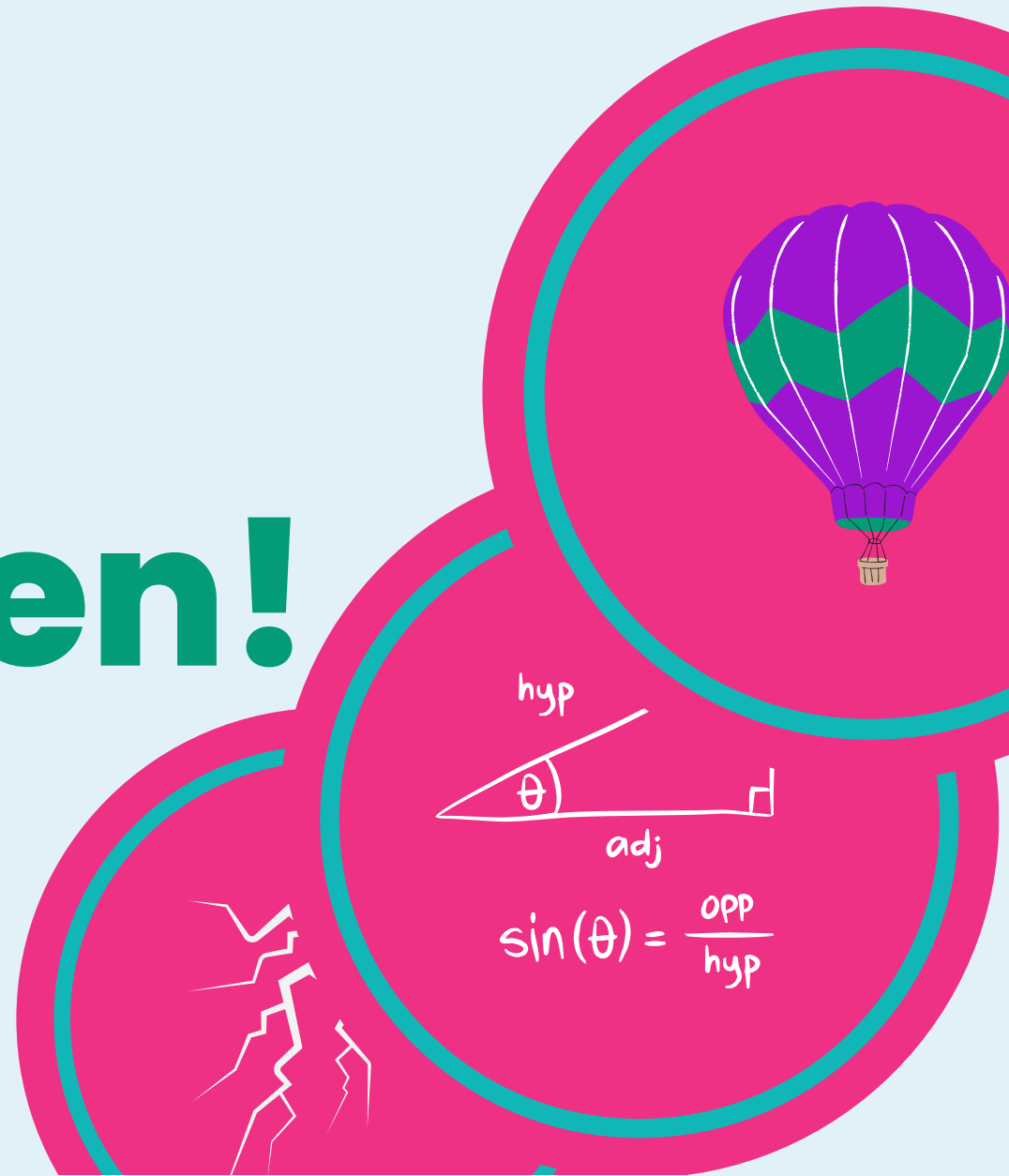


# Vetenskapskampen!





**Vetenskapskampen!**

# **Vetenskapskampen is a competition in science and mathematics organized by the non-profit organization Rising Scientists!**

In this year's edition of Vetenskapskampen students in the 4th through 9th grade will be allowed to show off their scientific prowess and compete for a grand prize. The winner for each grade will be selected by a national committee of judges assessing every step of the presentation...

## **WHAT IS VETENSKAPS -KAMPEN?**

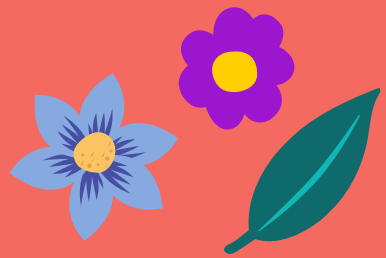


**The theme of Vetenskapskampen 2023 is...**

# **Large & Small Wonders**



**Vetenskapskampen!**

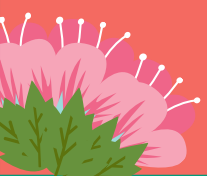


# Why “Large & Small Wonders”?

**The theme allows you to explore a wide range of scientific concepts. There are numerous objects of varying sizes that are fascinating and have an impact on our world. Items such as beams and salts play a significant role in everyday life, yet they come in different sizes. Some might be enormous, like a bridge, while others, like atoms, are not easily noticeable.**



**Vetenskapskampen!**





# The Competition

**1: Once the theme of your group's presentation is decided, it's time for research. Begin reading up on your subject of choice, find relevant information, and build the basic structure of your poster!**

**2: Design your poster! Summarize what you've learnt during your research in a creative and informative manner!**

**3: Once you've handed in your finished work, your teacher will select two posters to represent your class on a regional level. Winners of the regional rounds will go on to compete with students from all around the country. Finally, one poster per grade will be selected as the national winner of Vetenskapskampen 2023/2024!**



**Vetenskapskampen!**



**Vetenskapskampen!**

# TOPIC

**Sometimes the most difficult part of  
a project is choosing your topic...**

**To expedite that process we  
have come up with some  
suggestions!**

## Technology?

Electricity:  
Voltage  
converters  
Generators

Bridges  
Railways

## Chemistry?

Atomic bonds  
Electrons  
Metals  
Salts



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## Physics?

Rollercoasters

Nuclear-  
fission

Gas giants

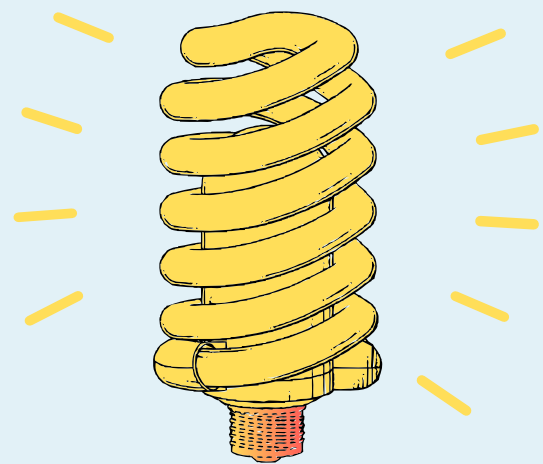
Blackholes

## Biology?

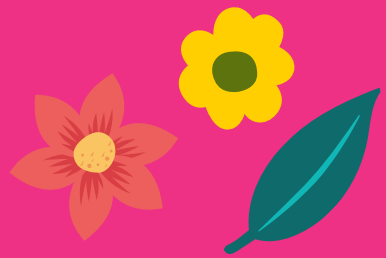
Bacteria

Mushrooms

Moss



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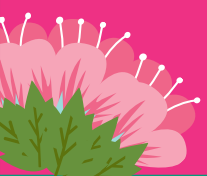
**Don't forget that these are just suggestions**

**If you're interested in another  
topic – go ahead and choose it!**

**You often get the best results when you  
work with a topic that engages you!**



**Vetenskapskampen!**





# Content of your poster

Your topic is important of course, but what's even more important is the information you include

Here are some ideas of subjects to discuss:

Remember to keep your teacher's instructions in mind when creating your poster. Perhaps they've already planned out the assignment!



Key information about your topic

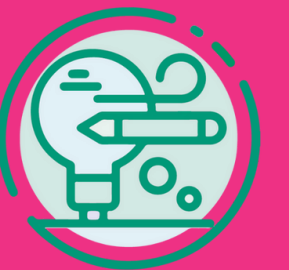
The inventor!

Historical versus modern significance

Practical uses

Significance to society/humanity

# **Rules, assessment, and suggestions**



**Vetenskapskampen!**

# RULES



**Vetenskapskampen!**

- **You will compete against students in the same year!**
- **Work alone or in groups of 2 – 4.**
- **The poster can explore any of the scientific subjects!**
- **You decide your topic and content (or with the help of your teacher). Let your creativity run wild!**

**Deciding your own topic and content is exciting, but remember to listen to your teacher. Perhaps they've already planned out the assignment, method, and/or topics!**

# Assessment

**Important! We won't be assessing source criticism but for the best results we always recommend being careful when choosing sources. Don't forget the teacher's assessment either, perhaps they will be checking your source criticism.**

## **Content**

**Is the information presented in the poster correct and relevant? Are you missing something? Strive to only include important and interesting information in your poster**

## **Formatting**

**Do you use the given format to your advantage? Do your images, drawings and layout spark interests and help in making the presented information as clear as possible?**

## **Comprehensibility**

**Is the information written clearly and concisely? Have you tailored your poster to your target audience? Can the reader easily understand what's your talking about?**

## **Language**

**Do you utilize scientific language? Do you use subject-relevant terminology? Are you neutral and objective in your language?**

# some quick tips



Vetenskapskampen!

- Plan the layout of your poster before you begin assembling it. If the layout feels difficult, try taking a gander at other scientific posters for some inspiration!
- Choose your topic and your subtopics based on your own interests! (but don't forget to listen to your teacher's advice)
- The text type of your poster will resemble a factual/an explanatory text. Is this way of writing new to you? There are plenty of websites online where you can read up on how to best use these text types to your advantage!
- Make use of fact boxes for clarity as well as aesthetic purposes

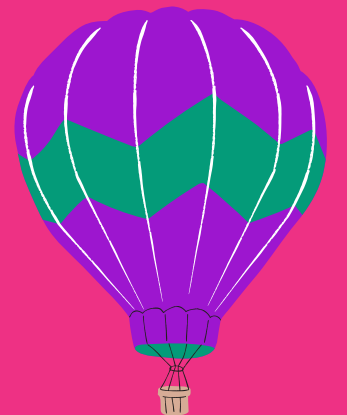


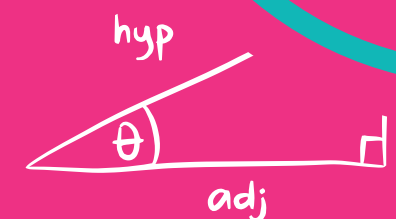


# Best of luck!



## Rising Scientists





A right-angled triangle with vertices at the top-left, bottom-left, and bottom-right. The top-left angle is labeled  $\theta$ . The side opposite to  $\theta$  is labeled 'opp', the side adjacent to  $\theta$  is labeled 'adj', and the hypotenuse is labeled 'hyp'.

$$\sin(\theta) = \frac{\text{opp}}{\text{hyp}}$$

