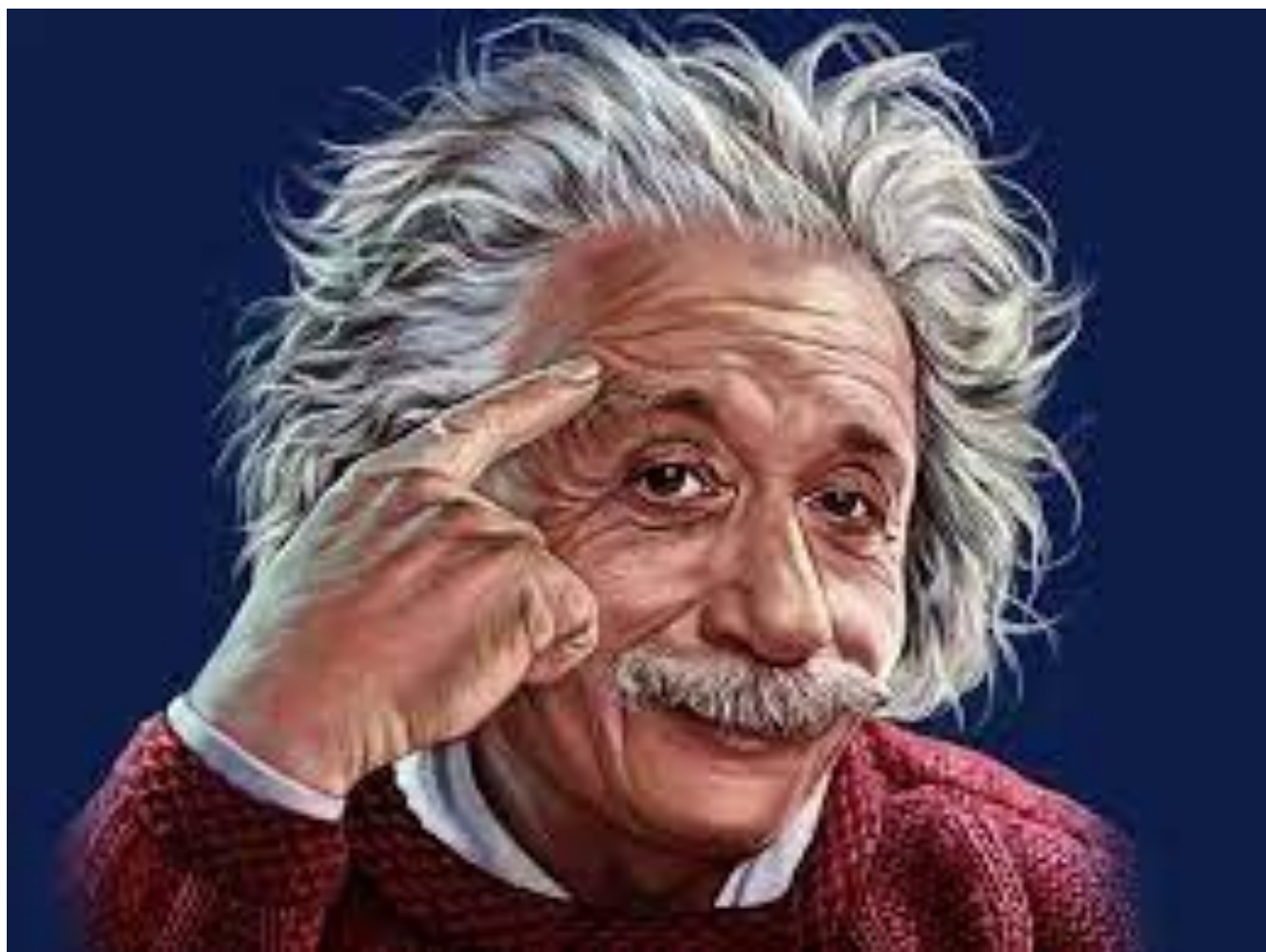




O'zbekiston Respublikasi Ta'limni rivojlantirish  
respublika ilmiy-metodik markazi

# MATEMATIKANI O'QITISHDA YANGI METODOLOGIYALAR VA INNOVATSION YONDASHUVLAR

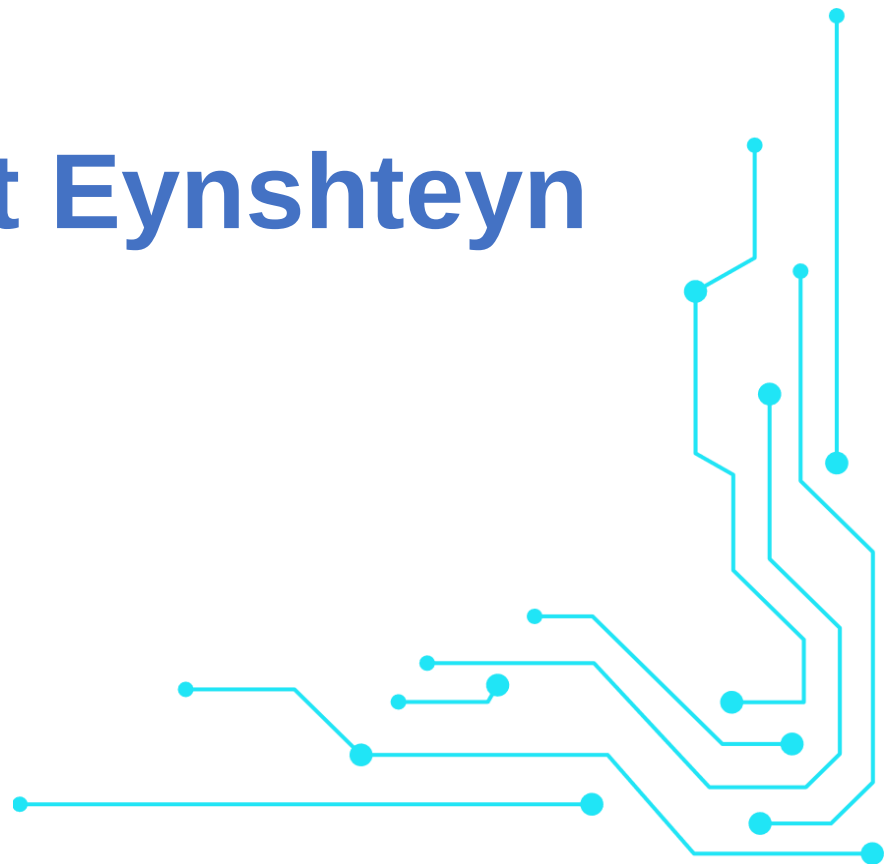
**O'.N.Ernazarov** Jizzax viloyati Do'stlik tumani 10-sonli  
matematika fani o'qituvchisi

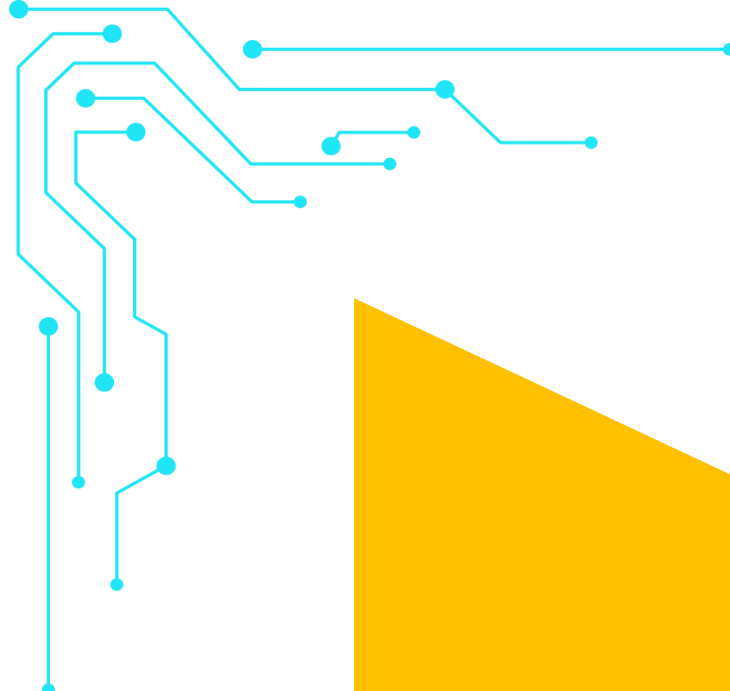


Matematika fanining go'zalligi uning mantiqiy g'oyalarida yotadi.

Agar siz uni sodda tushuntira olmasangiz, demak uni yetarlicha tushunmagansiz.

**Albert Eynshteyn**

A decorative cyan circuit-like pattern in the bottom-right corner, consisting of several lines with dots at the ends, resembling a stylized circuit board or network diagram.



Matematika  
 mantiqiy va  
 tanqidiy fikrlashni  
 rivojlantiradi.

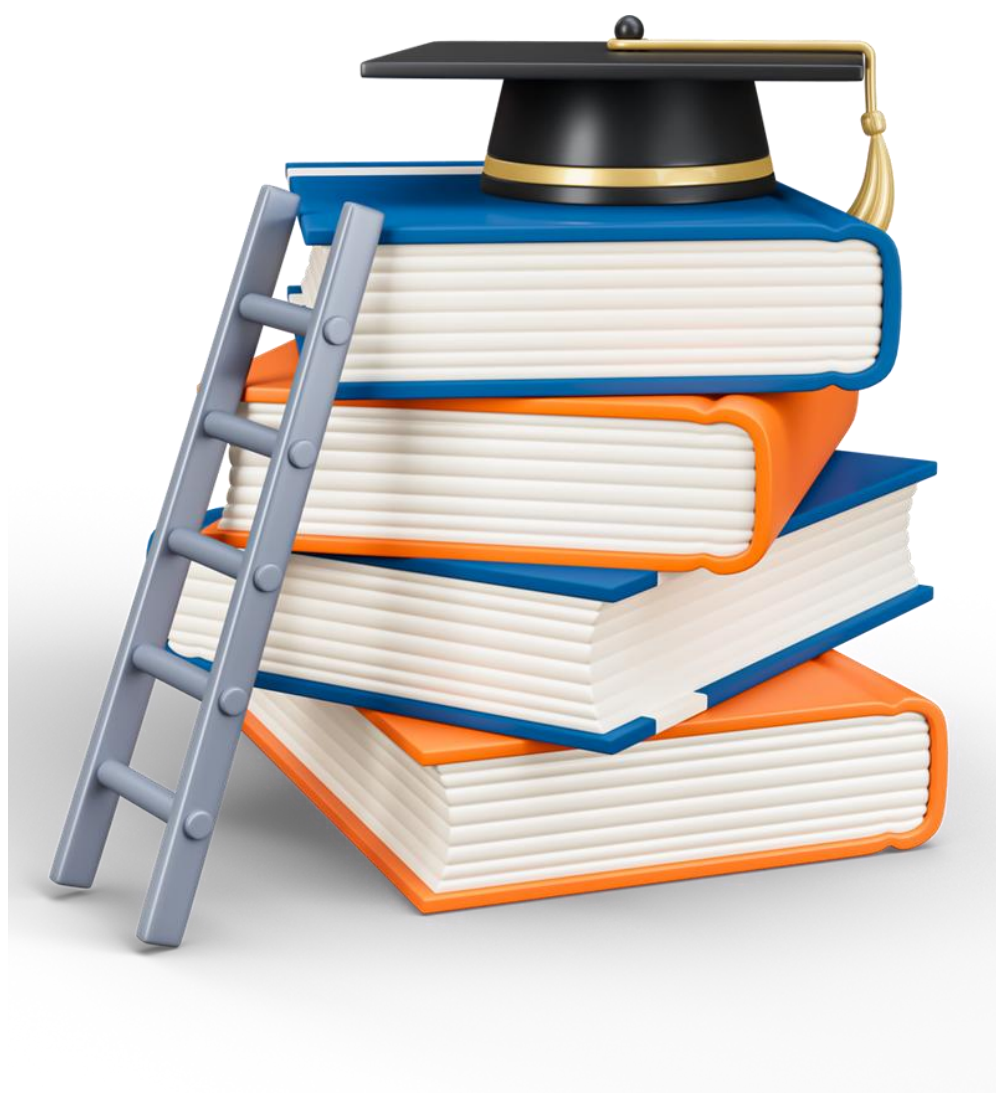
Zamonaviy jamiyat  
 bilimli va kreativ  
 shaxsni talab  
 qiladi.

An'anaviy usullar  
 barcha  
 o'quvchilarni  
 qamrab olmaydi.

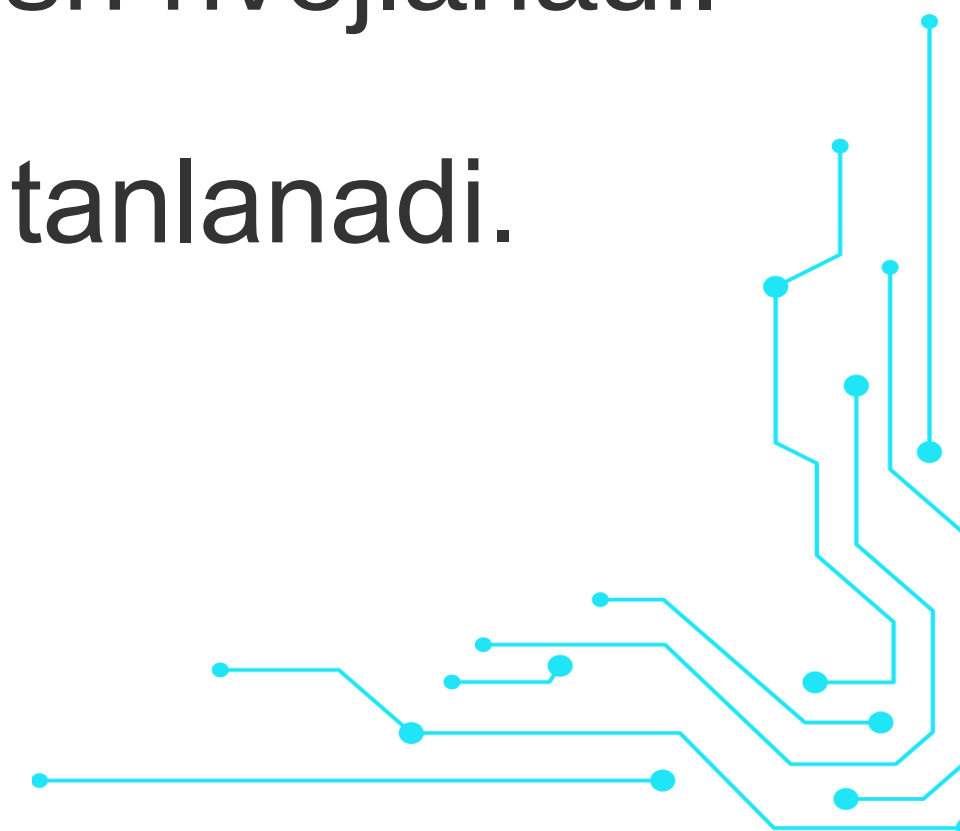
Yangi metodlar  
 dars  
 samaradorligini  
 oshiradi.  
 Shu sababli  
 innovatsion  
 yondashuvlar  
 zarur.



# Yangi metodologiyalar tushunchasi



- Yangi metodologiya – ta’lim jarayonini samarali tashkil etish usuli.
- O‘quvchi dars markazida bo‘ladi.
- Mustaqil fikrlash va tahlil qilish rivojlanadi.
- Natijaga yo‘naltirilgan ta’lim tanlanadi.

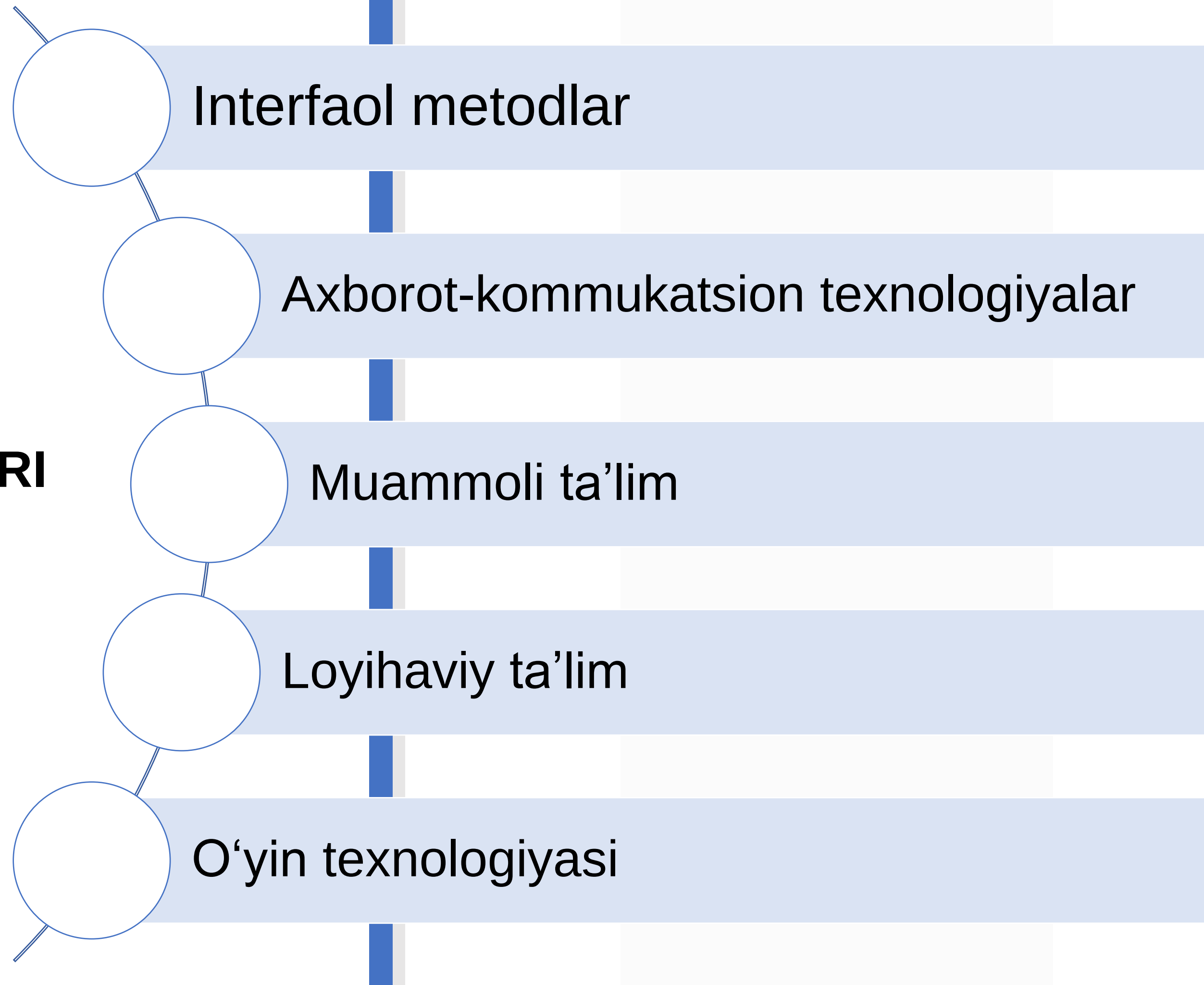


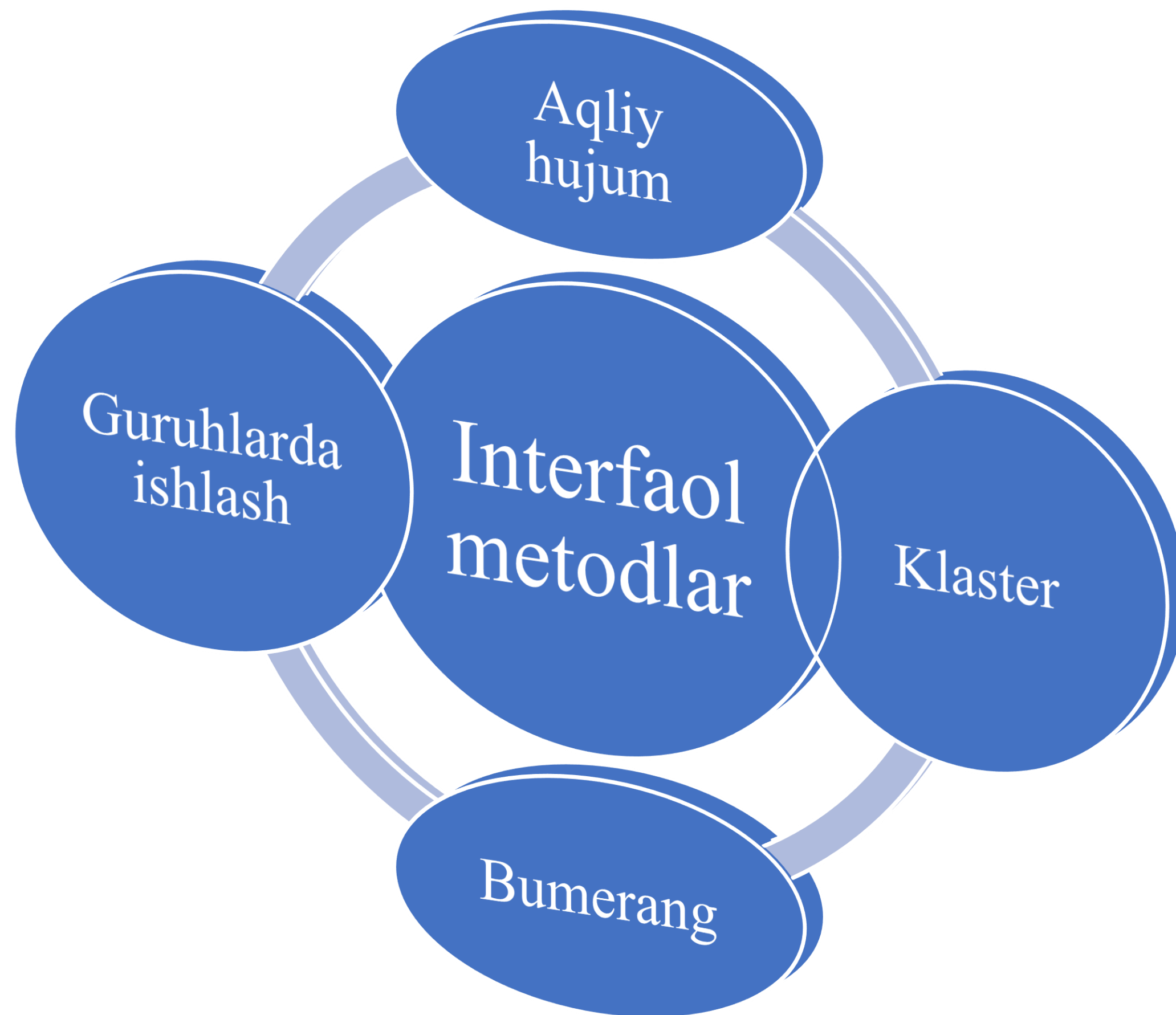


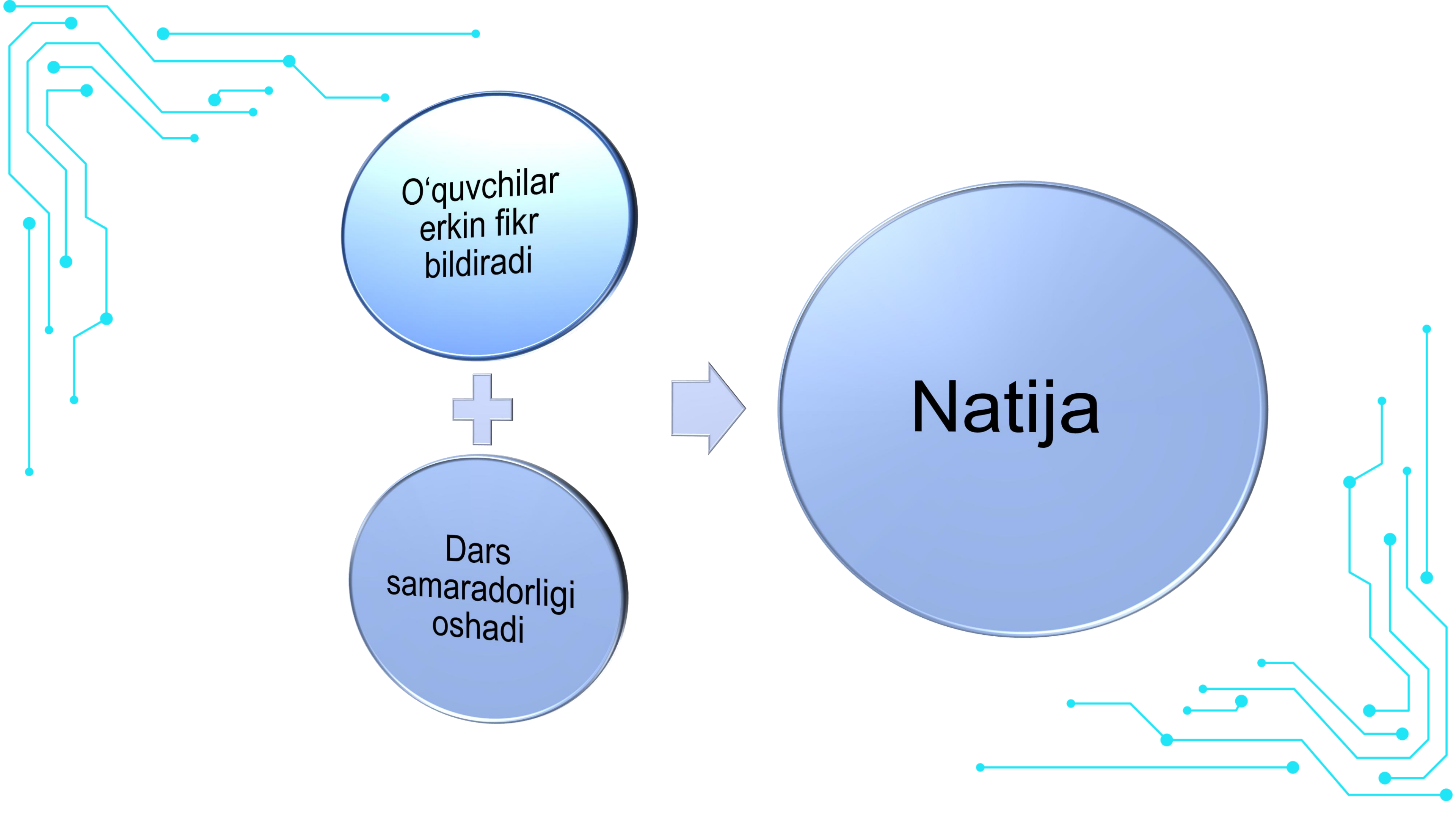
## **ASOSIY MAQSADI:**

- **Matematik bilimlarni chuqur o'zlashtirish.**
- **Amaliy ko'nikmani shakllantirish.**
- **O'quvchilar faolligini oshirish.**
- **Darsga qiziqishini kuchaytirish.**

# INNOVATSION YONDASHUV TURLARI





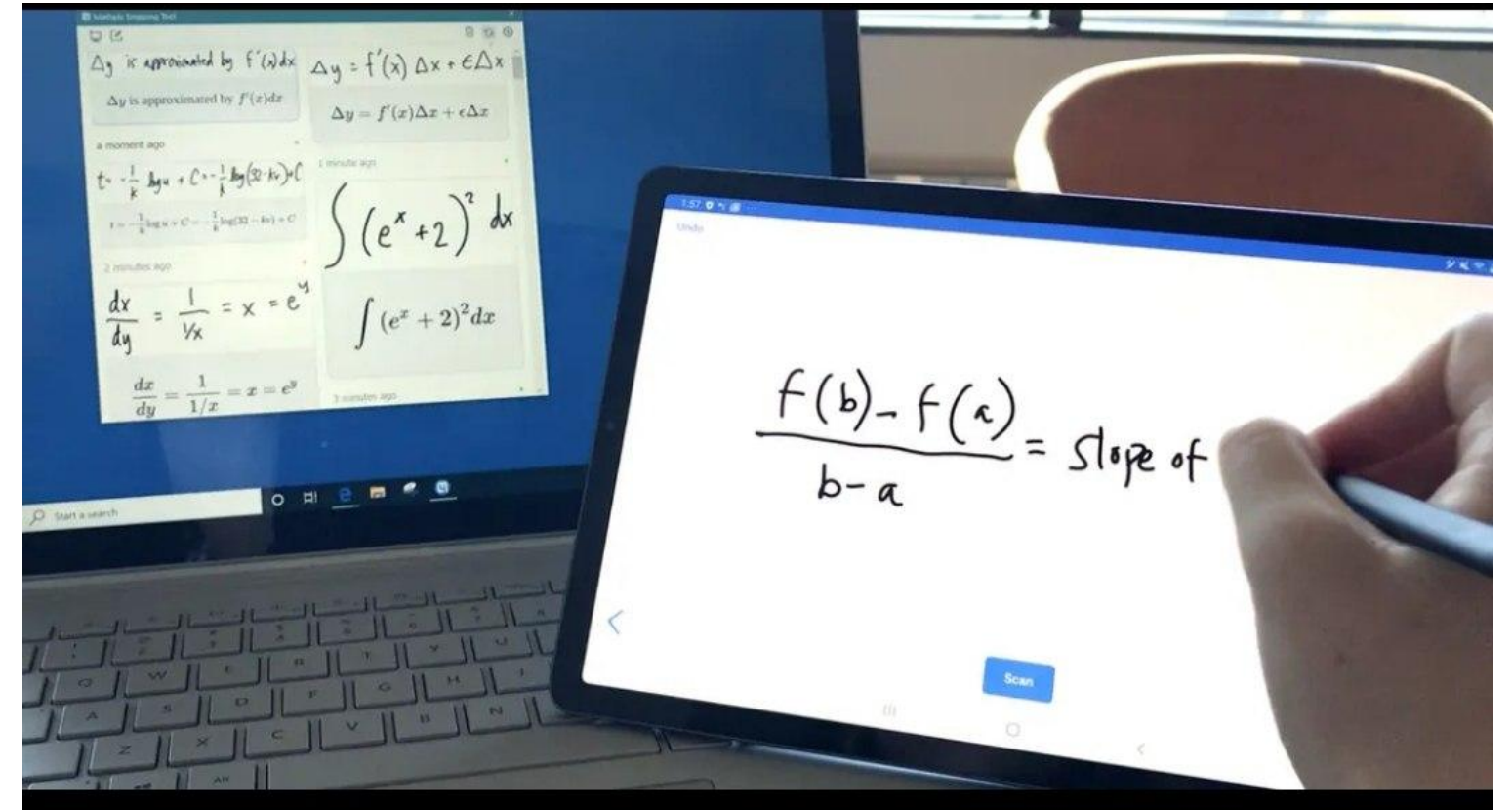


# AXBOROT TEXNOLOGIYALARI (AKT)

- Interaktiv doskalar
- Geogebra, Desmos dasturlari
- Video va animatsiyalar
- Onlayn testlar

Afzalliklari:

- Murakkab mavzular oson tushuniladi.
- Vizual idrok rivojlanadi.



## MUAMMOLI TA'LIM

O'quvchi oldiga muammo qo'yiladi.

Yechimni o'quvchi mustaqil topadi.

Tahlil va mantiqiy fikrlash rivojlanadi

Misol:

Real hayotga oid matematik  
masalalar. (Yo'l masalasi)

## LOYIHAVIY TA'LIM

O'quvchilar loyiha ustida ishlaydi

Nazariya va amaliyot uyg'unlashadi.

Jamoadada ishlash ko'nikmasi shakllanadi.

Misol:

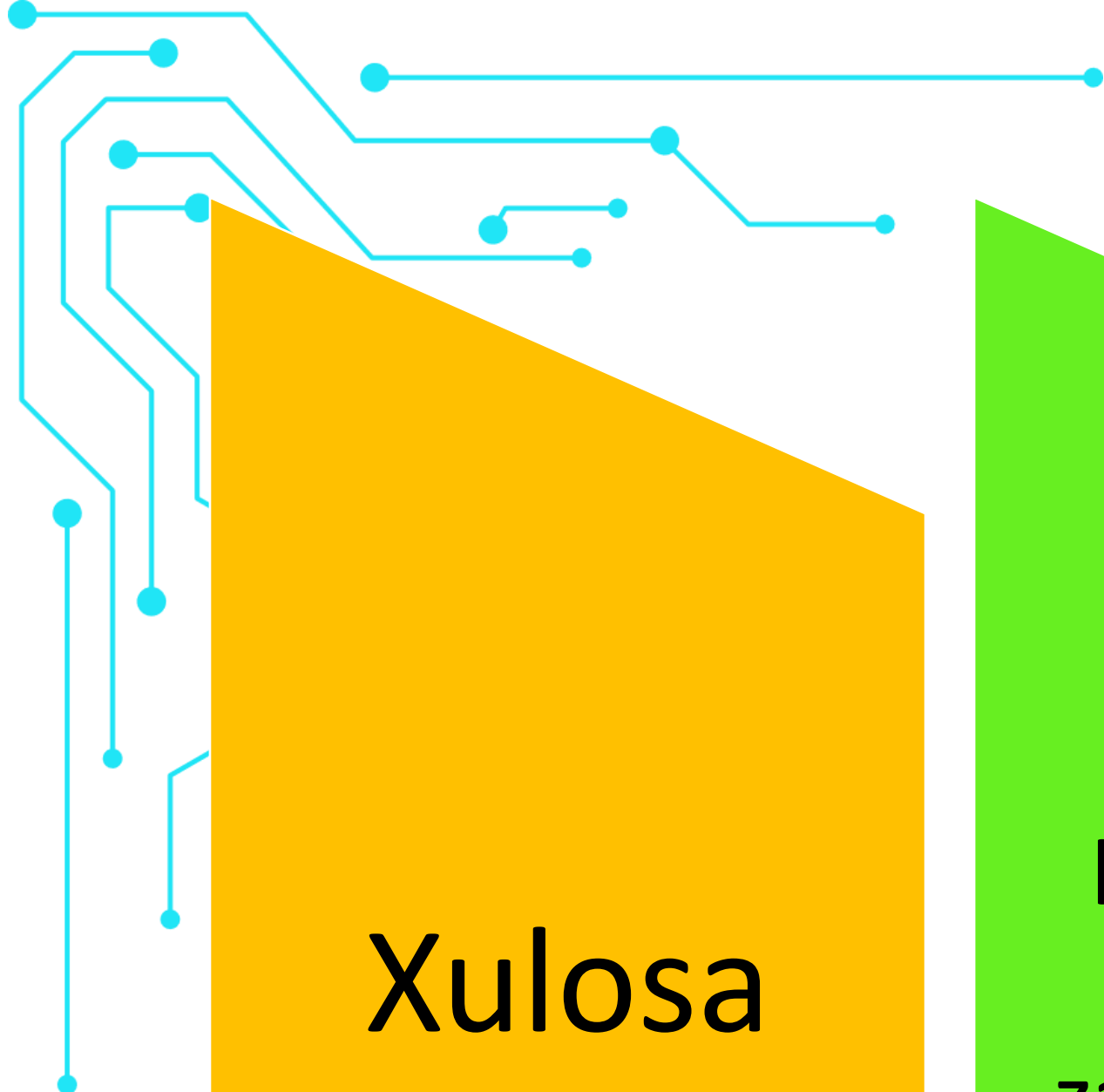
“Telefon ta'riflari” loyihasi.

“Oilaviy byudjet va foizlar” loyihasi.

# O'qituvchining roli



Yo'naltiruvchi va maslahat beruvchi.  
Innovatsion metodlarni tanlay oluvchi.  
AKT bilan ishlay oluvchi.  
Ijodkor va izlanuvchan.

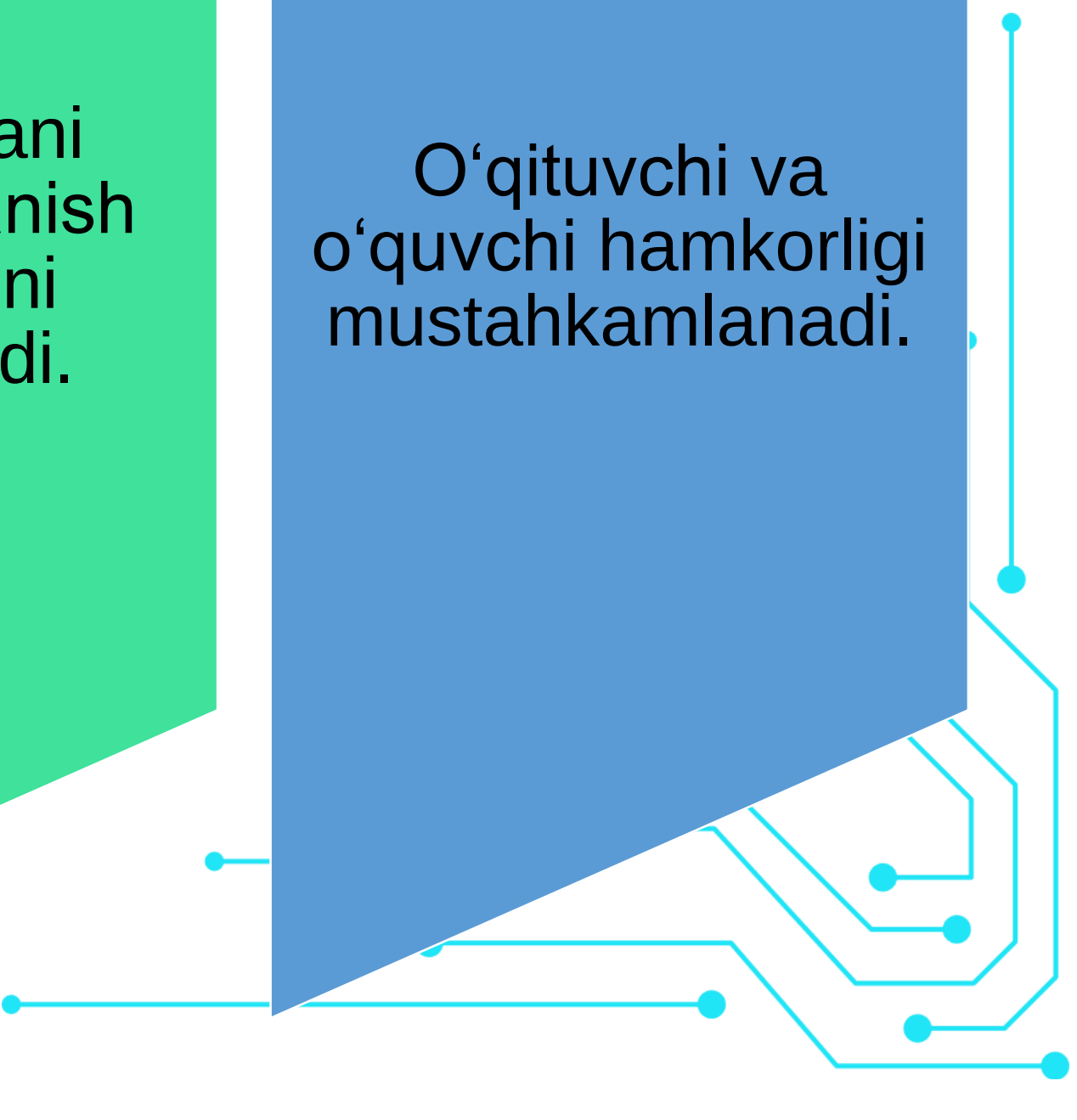


# Xulosa

Innovatsion  
metodlar-  
zamon talabi.

Matematikani  
chuqur o'rganish  
imkoniyatini  
kengaytiradi.

O'qituvchi va  
o'quvchi hamkorligi  
mustahkamlanadi.





**E'tiboringiz uchun rahmat!**