TEXNOLOGIYA

1

Umumiy o‘rta ta’lim maktablarining 1-sinfi uchun darslik

O‘zbekiston Respublikasi Xalq ta’limi vazirligi
nashrga tavsiya etgan

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Shartli belgilar

— savol

— topshiriq

— eslatma

— bizning yordamchilarimiz

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MUNDARIJA

Kirish 4

1-dars
Texnologiya olami 5

2-dars
Texnologik jarayon 8

3-dars
Qiziqarli shakllar 14

4-dars
Quvnoq raqamlar 16

5—6-darslar
Tabiiy materiallar. Barglardan ixtiyoriy shakllar yasash 20

7-dars
Tabiiy va turli materiallardan hayvonlar shaklini yasash 23

8-dars
Urug'lardan naqsh yasash 25

9-dars
Tabiiy materiallardan tipratikan shaklini yasash 27

10-dars
Qog'oz va uning turlari. Qog'ozni buklash usullari 28

11—12-darslar
"Kuz ne'matlari" mavzusida kompozitsiya yasash. Jamoa ishi 30

13-dars
Qo'ziqorin shaklini yasash 32

14-dars
Quruvchilik kasbi. Uycha qurish 34

15—16-darslar
Turli qog'ozlardan Yangi yil archasi va uning bezaklarini yasash 38

17-dars
Applikatsiya usulida qish manzarasini yasash 42

18-dars
Mozaika usulida olma shaklini yasash 44

19-dars
Mozaika usulida xurmo va anor shakllarini yasash 46

20—21-darslar
"Savatda mevalar" mavzusida kompozitsiya yasash 49

22-dars
Jirafa va fil shakllarini yasash 50

23-dars
"Hayvonot bog'i" mavzusida kompozitsiya yasash 52

24-dars
Qog'ozli tasmadan hajmdor gul shaklini yasash 54

25-dars
Soyabon yasash 56

26-dars
Nazorat ishi. Tabriknoma yasash 58

27-dars
Transport turlari va uning inson hayotidagi o'rni 60

28-dars
Qog'ozni buklash usuli yordamida avtomobil shaklini yasash 61

29-dars
Qog'ozni buklash usuli yordamida samolyot shaklini yasash 63

30-dars
Qog'ozni buklash usuli yordamida kema shaklini yasash 65

31-dars
Nazorat ishi 67

32—33-darslar
"Sehrli tugmalar" mavzusida kompozitsiya yasash 69

KIRISH

Hurmatli o‘quvchi!

Kattalarni lol qoldirishni istaysizmi?

Qog‘oz va kartondan turli shakllar yasash, tabiiy materiallardan qiziqarli tasvirlar, tugmalardan turli shakllar hosil qilishni xohlaysizmi?

“Texnologiya” fani Sizga bu borada yaqindan yordam beradi.

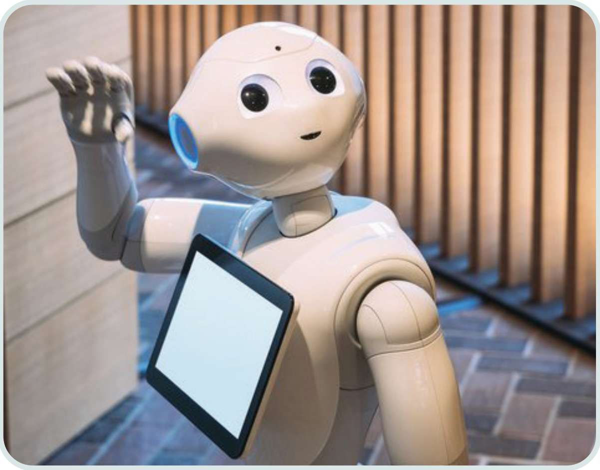
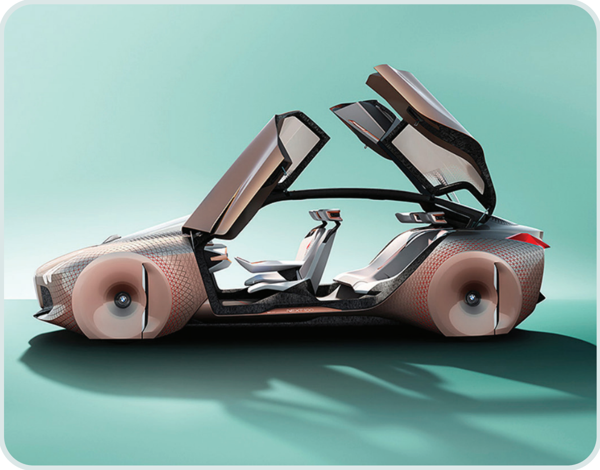
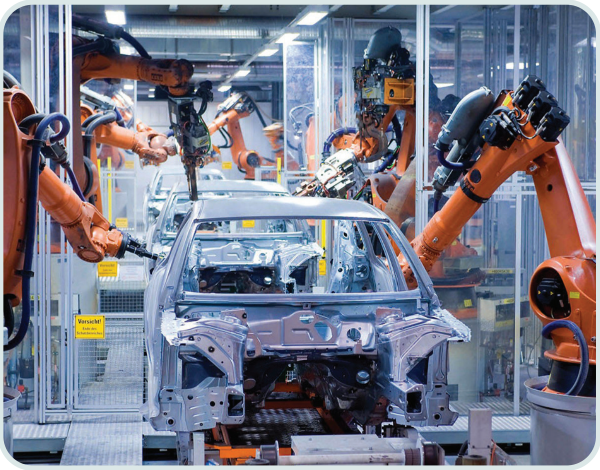
Darslik yordamida Siz texnologik jarayonlarning bajarilish ketma-ketligini bilib olasiz. Amaliy mashg‘ulotlar davomida mehnat qurollari bilan yaqindan tanishasiz, qaychi, yelim, mo‘yqalam kabi anjomlar bilan ishlash qoidalarini o‘rganasiz.

Mustaqil ijod qilishingiz, xohlagan buyumingizni yasay olishingiz uchun imkoniyatlar eshigi ochiladi. Darslikda berilgan topshiriqlarni sifatli bajarishda Sizga muvaffaqiyatlar tilab qolamiz.

Mualliflar

1-dars TEXNOLOGIYA OLAMI

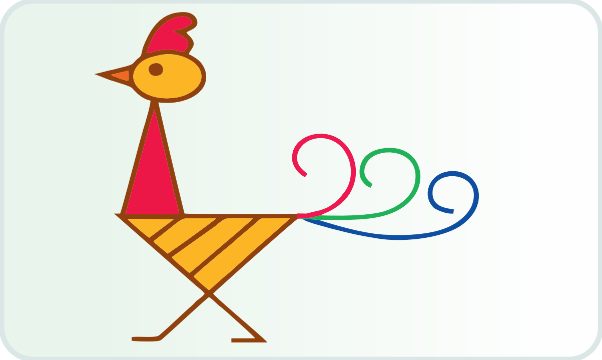
Rasmda tasvirlangan texnikalarni diqqat bilan kuzating

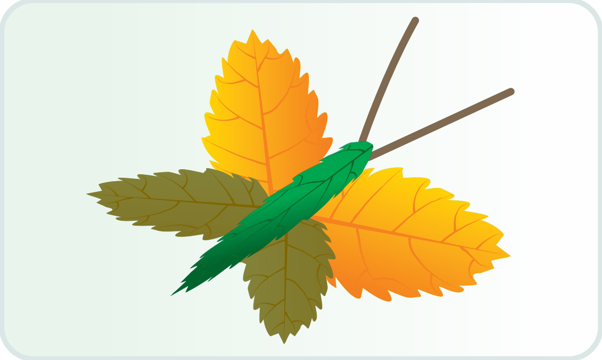




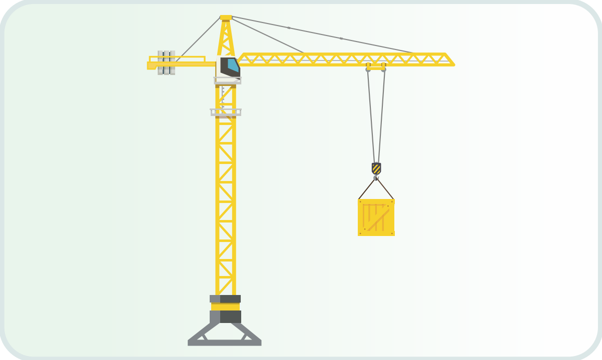
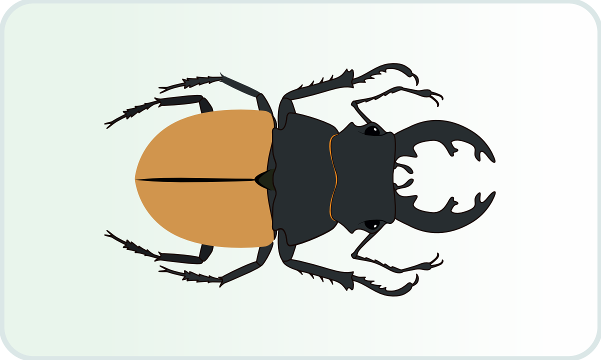
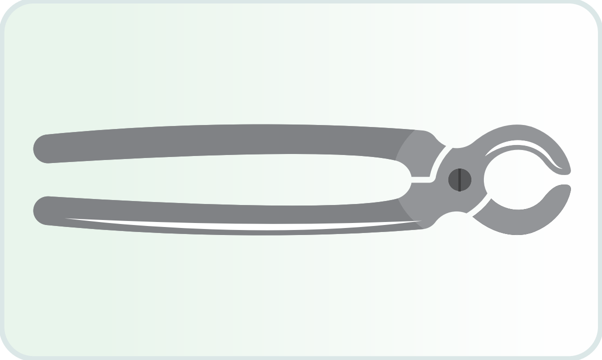
1. Siz bu texnikalarni qayerlarda ko'rgansiz?
2. Texnologiya olami haqida nimalarni bilasiz?

1-DARS

Quyida berilgan tasvirlarning o‘xshash tomonlarini taqqoslang





1-
DARS

Texnologiya va kasblar bilan tanishamiz

1. Siz kundalik turmushda qanday texnologiyalardan foydalanasiz?
2. Zamonaviy texnologiyalar kishilar mehnatini qanday yengillashtiradi?

2-
DARS

2-dars TEXNOLOGIK JARAYON

Texnologiya o‘zi nima?

Texnologiya mahsulot yaratish jarayonidir. Bu jarayonda uning foydali xususiyatlarini yo‘qotmaslik kerak. Sifatli mahsulot xaridorgir bo‘ladi. Texnologik jarayonlarni to‘g‘ri bajarib, sifatli mahsulot tayyorlashni o‘rganamiz.

Har qanday buyum texnologik jarayon asosida tayyorlanadi.

Texnologik jarayonda ketma-ketlik

1 buklash	1 konstruksiyalash
2 qirqish	2 bichish
3 birlashtirish	3 tikish
4 yelimlash	4 bezash

Non tayyorlash texnologik jarayoni

1

Don ekiladi va yetishtiriladi.

2

Don un holatiga keltiriladi.

3

Undan non tayyorlanadi.

4

Non iste'molga chiqariladi.

2-DARS

Texnologiya darslarida ishlatiladigan ish qurollari

Qalam

Karton

Rangli qog‘ozlar

Tabiiy materiallar

Yelim

Mo‘yqalam

Qaychi

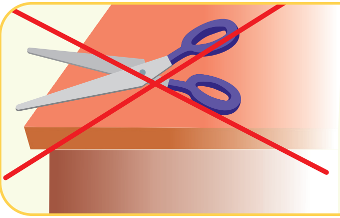
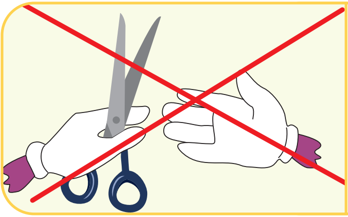
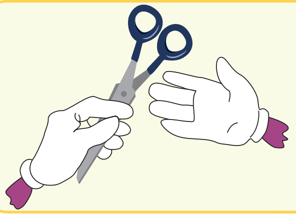
Chizg‘ich

Qog‘oz tekislagich

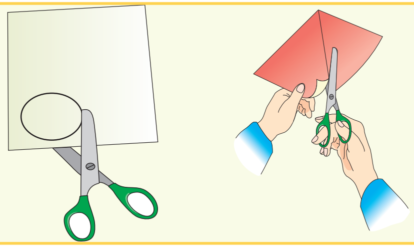
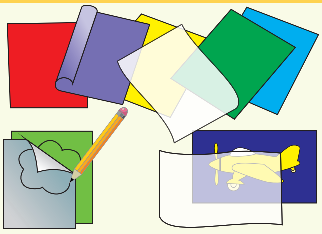
Ish qurollaridan foydalanishda xavfsizlik texnikasi qoidalariga rioya qiling.

2-DARS

1. Qaychi bilan ishlash qoidalari

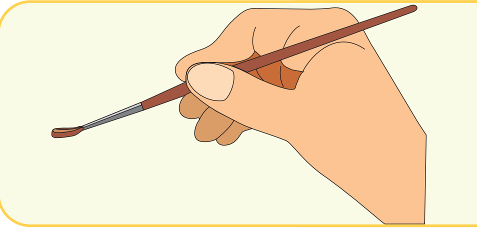
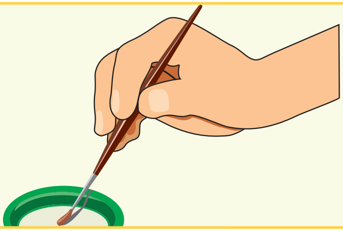
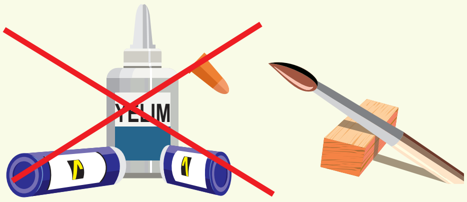
	Qaychining tig'li tomonini ochiq qoldirish mumkin emas.
	Qaychining tig'li tomonini yuqoriga qaratib og'zi ochiq holda ushlamaslik kerak.
	Qaychini tig'li tomonini yopgan holatda, band tomoni bilan uzatish lozim.

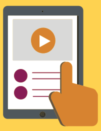
2. Qaychi bilan ishlash texnikasi

	Qog'ozni qirqish vaqtida qaychini emas, qog'ozni aylantirib kesing.
	Qog'ozdan to'g'ri foydalaning.

2-DARS

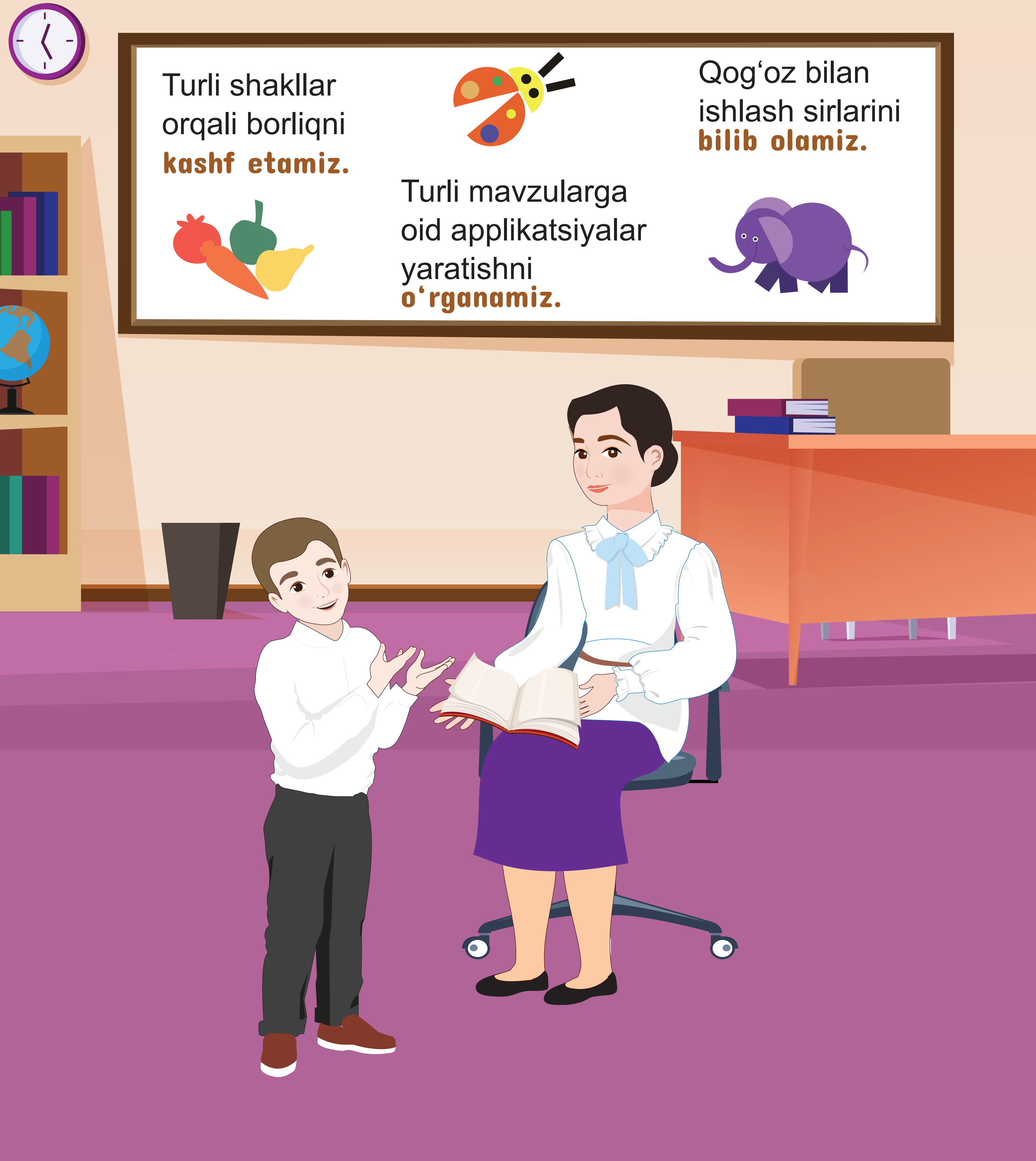
3. Yelim bilan ishlash qoidalari

	Mo‘yqalamni to‘g‘ri ushlang.
	Mo‘yqalam uchini yelimga botirib oling va yelimni detalning teskari tomonidan surting.
	Ish jarayonida tozalikka rioya qilgan holda kerakli vositalar (karton, qog‘oz, maxsus polimer tagliklar)dan foydalaning.
	Detal bir tekis yopishishi uchun salfetkadan foydalaning.
	Yelim qopqog‘ini ochiq qoldirmang. Ish tugaganidan keyin, mo‘yqalamni yaxshilab yuvib, taglikda quriting.



Amaliy mashg‘ulot jarayonida texnika xavfsizligi qoidalariga rioya qilishni unutmang.

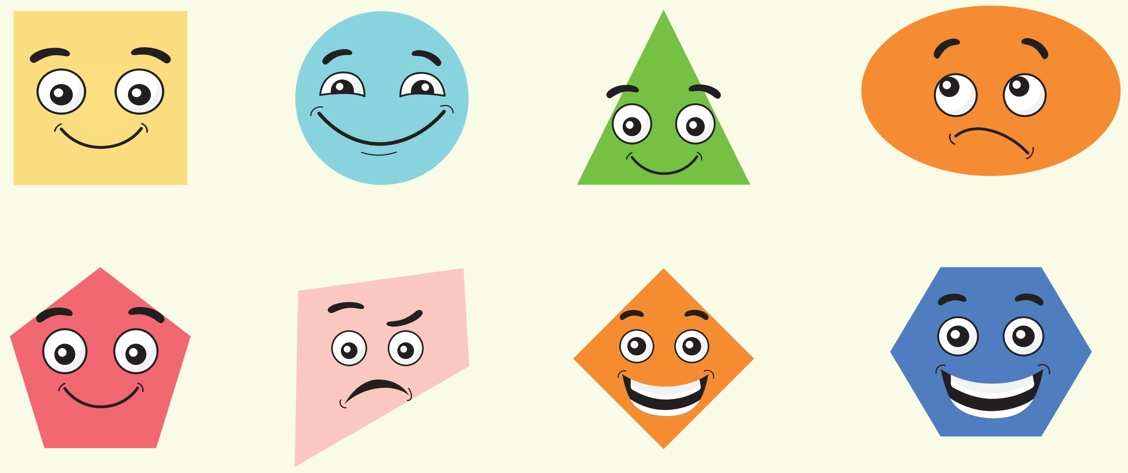
Aziz bolajonlar! Biz dastlab qalam, chizg‘ich, rangli qog‘oz, qog‘oz tekislagich, qaychi, yelim, mo‘yqalam bilan ishlashni o‘rganamiz.



3-
DARS

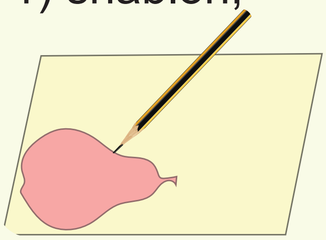
3-dars QIZIQARLI SHAKLLAR

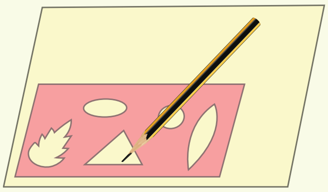
Rasmdagi shakllar nomini ayting:

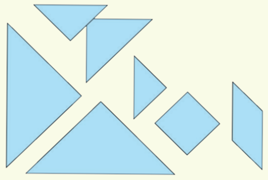


Shakllarni qog‘ozga tushirish uch xil usulda amalga oshiriladi. Ular quyidagicha:

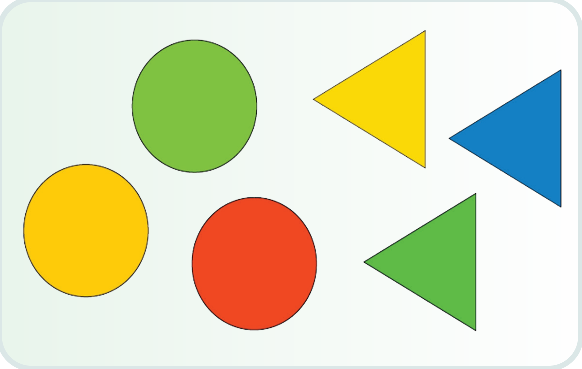
1) shablon; 2) trafaret; 3) tangram.

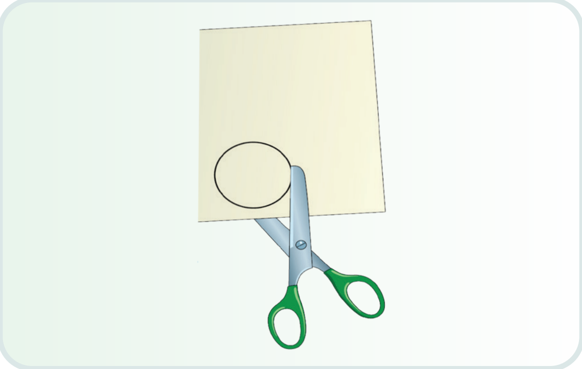




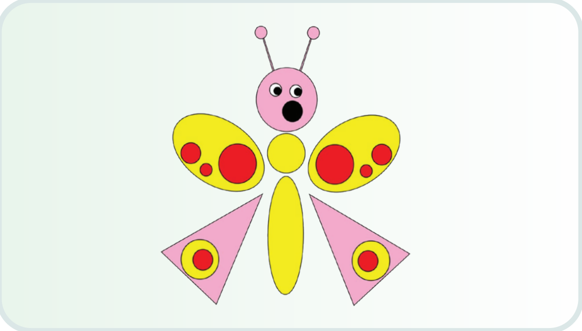


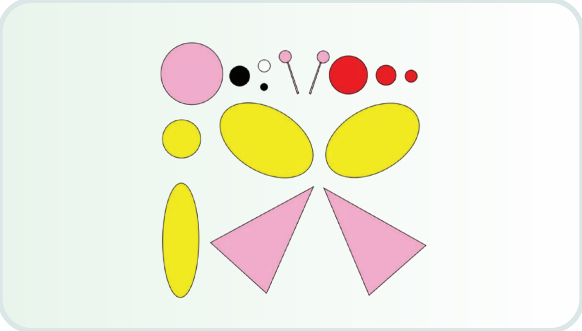
Geometrik shakllarni hosil qiling

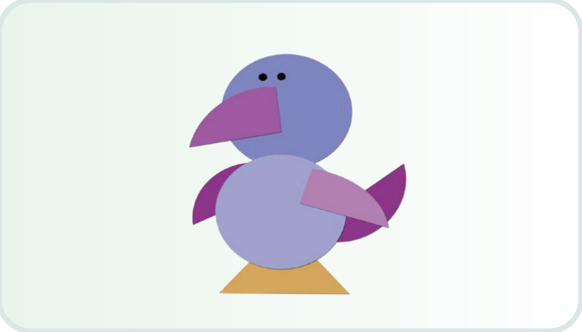


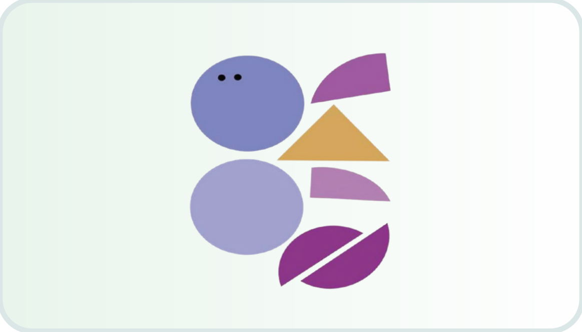


Shakllardan foydalanib yasang









Geometrik shakllardan foydalanib oʻzingiz xohlagan narsalar shaklini yasang.

4-
DARS

4-dars QUVNOQ RAQAMLAR

Quvnoq raqamlar bilan tanishing va tahlil qiling

4-DARS

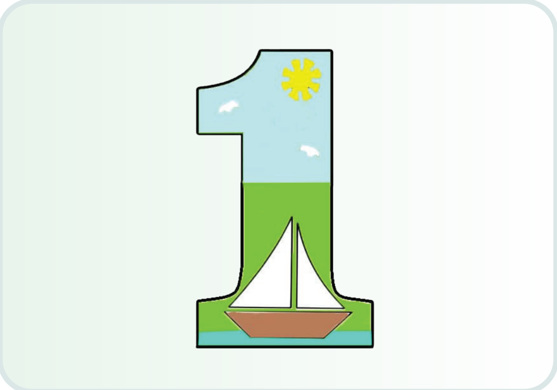
Applikatsiya – badiiy san’at asarlari yaratishning eng sodda va oson usuli. Applikatsiya ishida asosiy material qog‘oz hisoblanadi.

Quvnoq raqamlardan turli shakllar hosil qiling

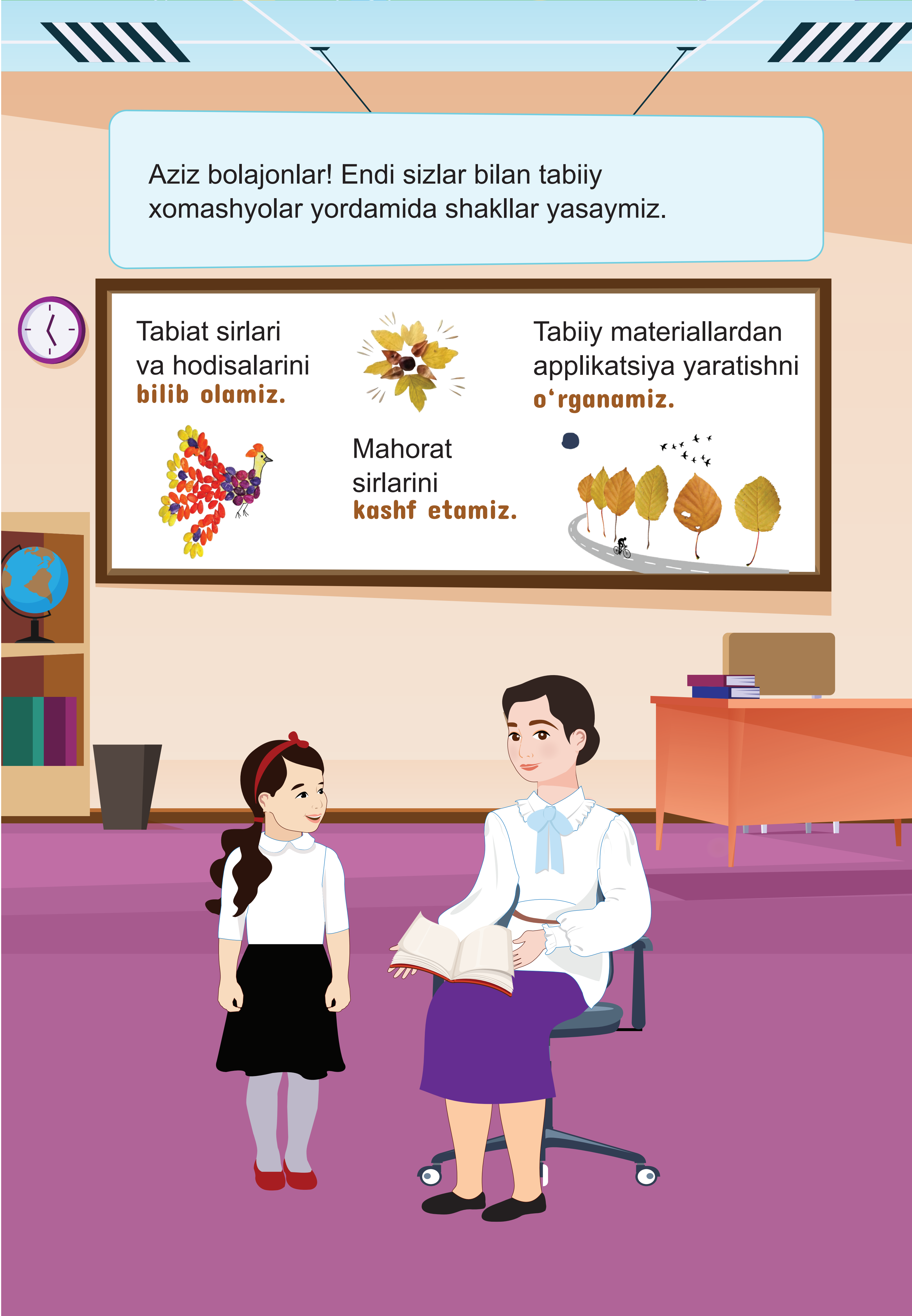
4-DARS

1. Oqqush shaklini yasash

2. Applikatsiya usulidan foydalanib raqamlarni bezash



Tugʻilgan kun yoki bayram tadbirlari uchun raqamlarni applikatsiya usulida bezatishga harakat qiling.

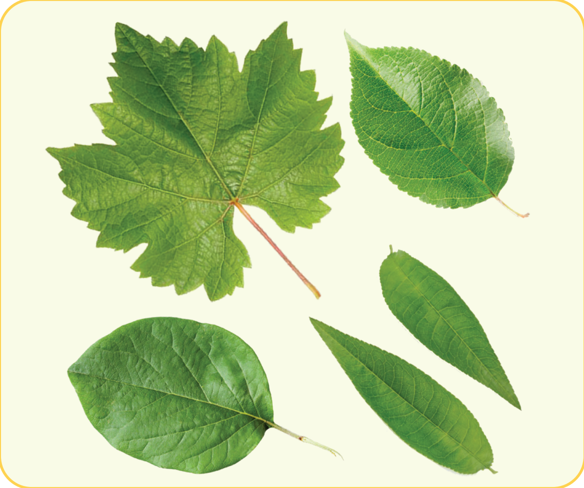


Aziz bolajonlar! Endi sizlar bilan tabiiy xomashyolar yordamida shakllar yasaymiz.
Tabiat sirlari va hodisalarini **bilib olamiz.**
Tabiiy materiallardan applikatsiya yaratishni **o‘rganamiz.**
Mahorat sirlarini **kashf etamiz.**

5–6-darslar
TABIIY MATERIALLAR. BARGLARDAN IXTIYORIY SHAKLLAR YASASH

Quyidagi tabiiy materiallarni hayotda ko'rganmisiz?

1. Mevali daraxt barglari



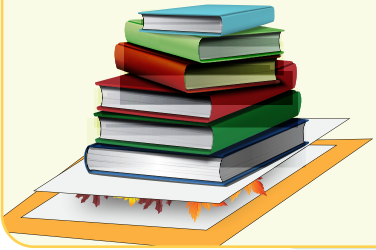
2. Mevasiz daraxt barglari

Tabiiy material hisoblangan barglarni quritish uchun ularni quyosh nuri tushmaydigan joyga qog‘oz yoki mato ustiga yoyib qo‘yish kerak.

Barglarni quritish ketma-ketligi

Barglarni saralab, tozalab oling.

Dastlab barglarni qog‘ozlar orasiga qo‘ying.

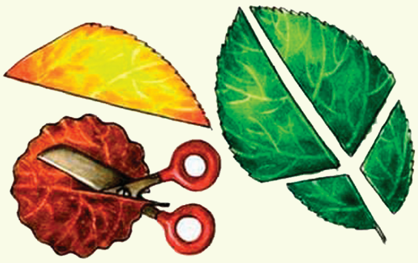


Keyin esa ustidan qalin qog‘ozni yopib, og‘ir buyumni bostirib qo‘ying.

Agar barglarni uzoq vaqt saqlamoqchi bo‘lsangiz, qog‘ozni vaqti-vaqti bilan almashtirib turing.

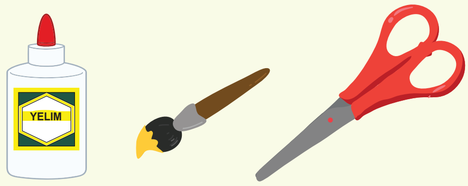
5–6-DARSLAR

Barglarni applikatsiyaga tayyorlash usullari

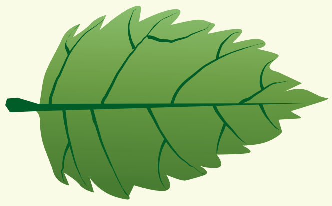


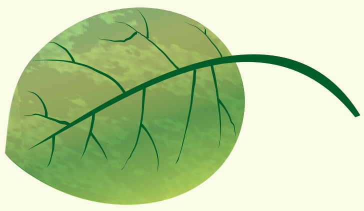
Barglardan shakllar yasang.

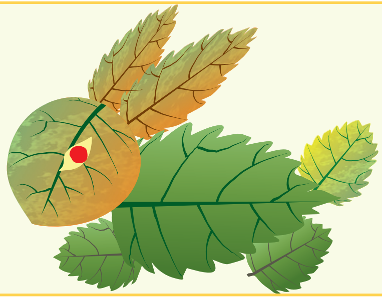
7-dars TABIIY VA TURLI MATERIALLARDAN HAYVONLAR SHAKLINI YASASH



1. Quyon shaklini yasash







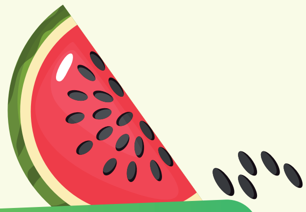
2. Kiyik shaklini yasash

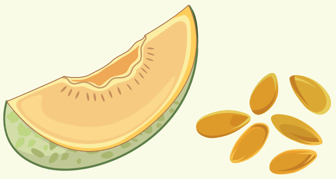
3. Tipratikan shaklini yasash

Tabiiy va turli materiallardan hayvonlar shakllarini yasang.

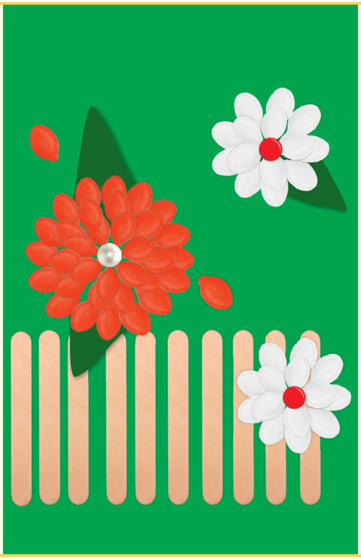
8-dars URUG'LARDAN NAQSH YASASH

Bizga kerakli urug'lar


tarvuz urug'i


qovun urug'i

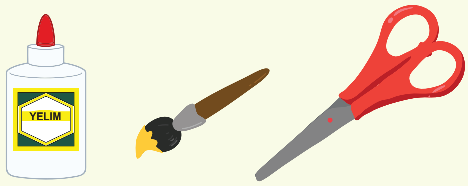
qovoq urug'i



Applikatsiyada iste'mol uchun ishlatiladigan urug' va donlardan foydalanmang!

8-
DARS

Urug'lardan naqsh tuzish



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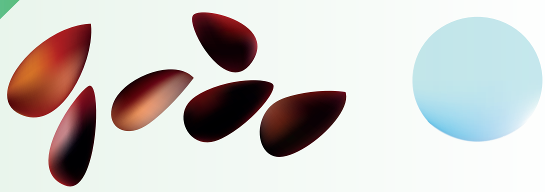

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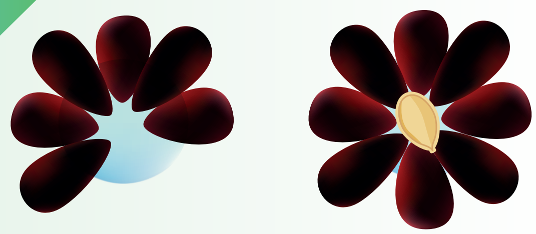
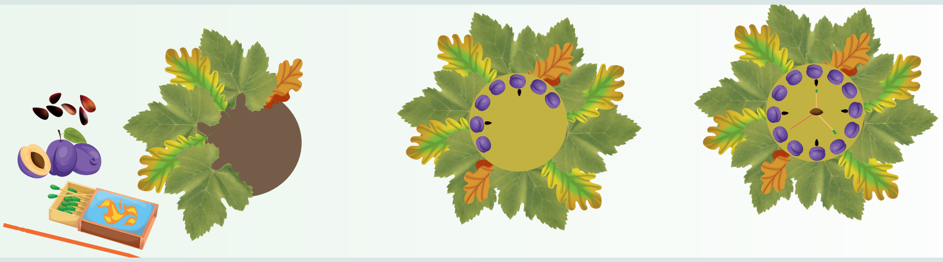


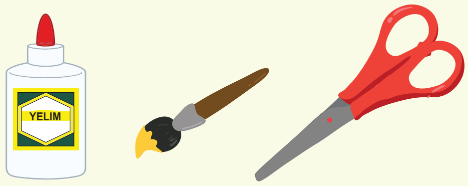
1

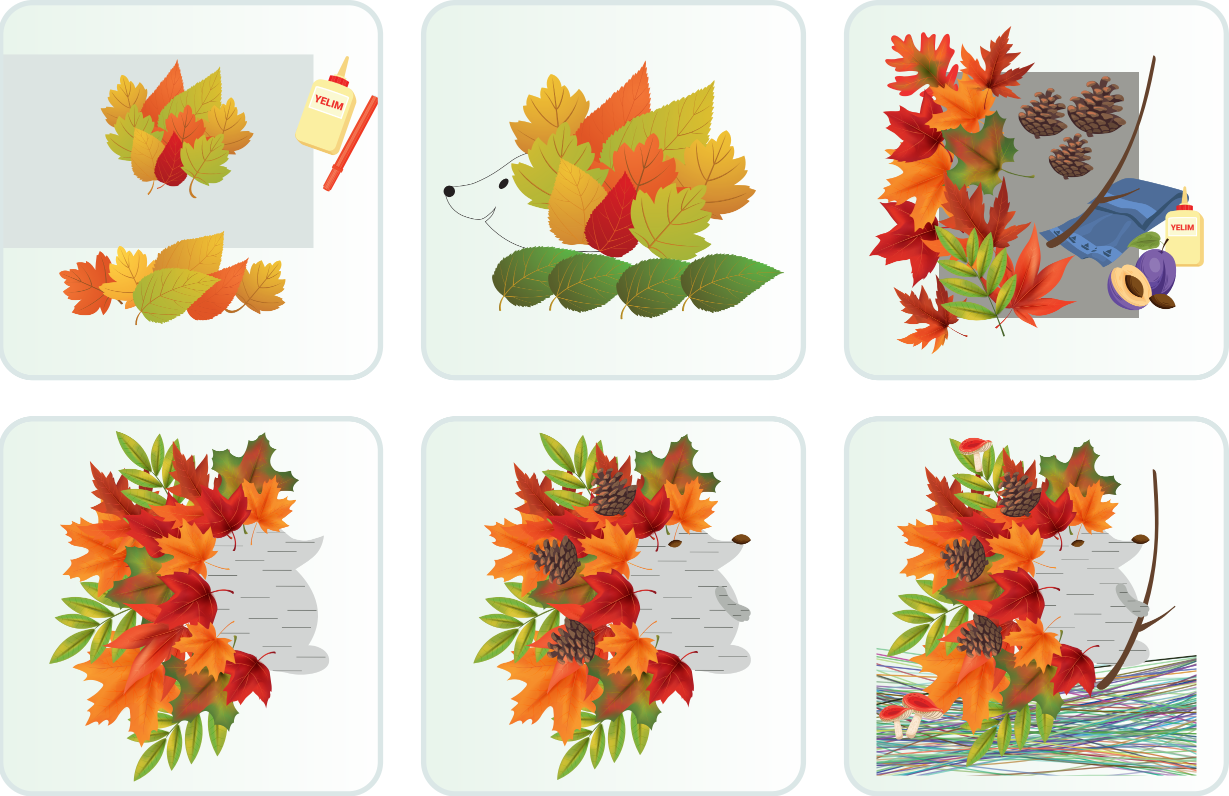
2

Tabiiy materiallardan soat shaklini applikatsiya usulida yasang.



9-dars TABIIY MATERIALLARDAN TIPRATIKAN SHAKLINI YASASH



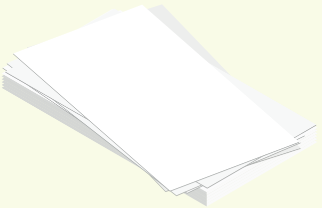


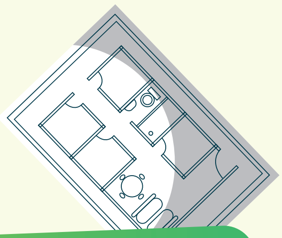
Applikatsiya usulida tipratikan shaklini yakunlang.

10-
DARS

10-dars QOG‘OZ VA UNING TURLARI. QOG‘OZNI BUKLASH USULLARI

Qog‘oz turlari


Matbaa qog‘ozi


Chizma qog‘ozi

Uy-ro‘zg‘or qog‘ozi

Gofri qog‘ozi

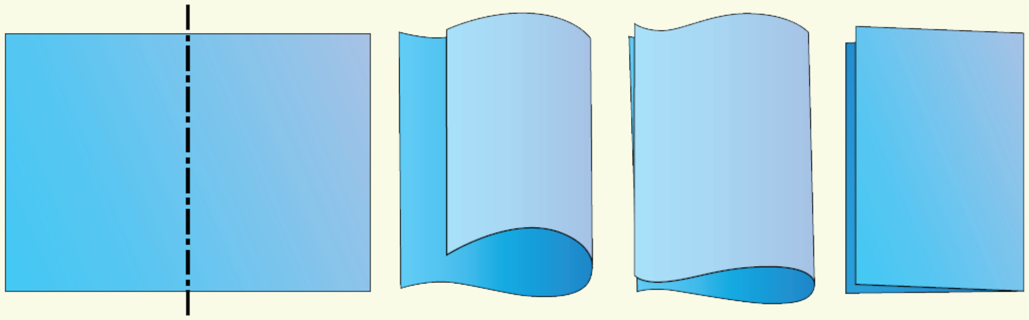
Gazeta qog‘ozi

Rangli qog‘oz

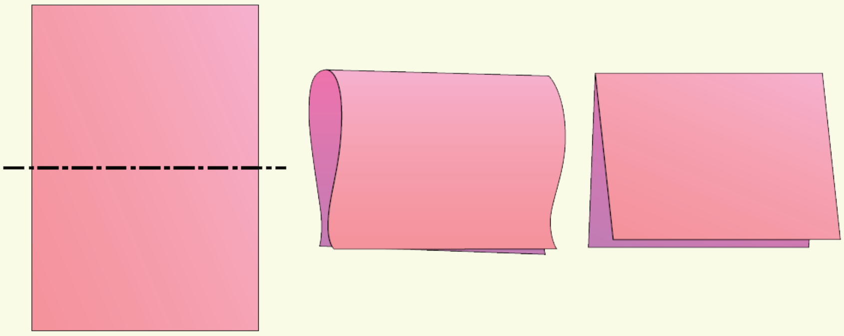
Qog‘ozning yana qanday turlari borligini toping va o‘rtoqlaringizga aytib bering.

10-
DARS

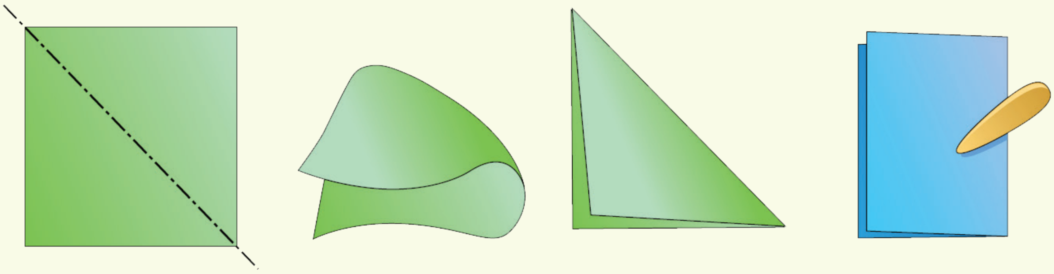
1. Qog‘ozni vertikal buklash usuli



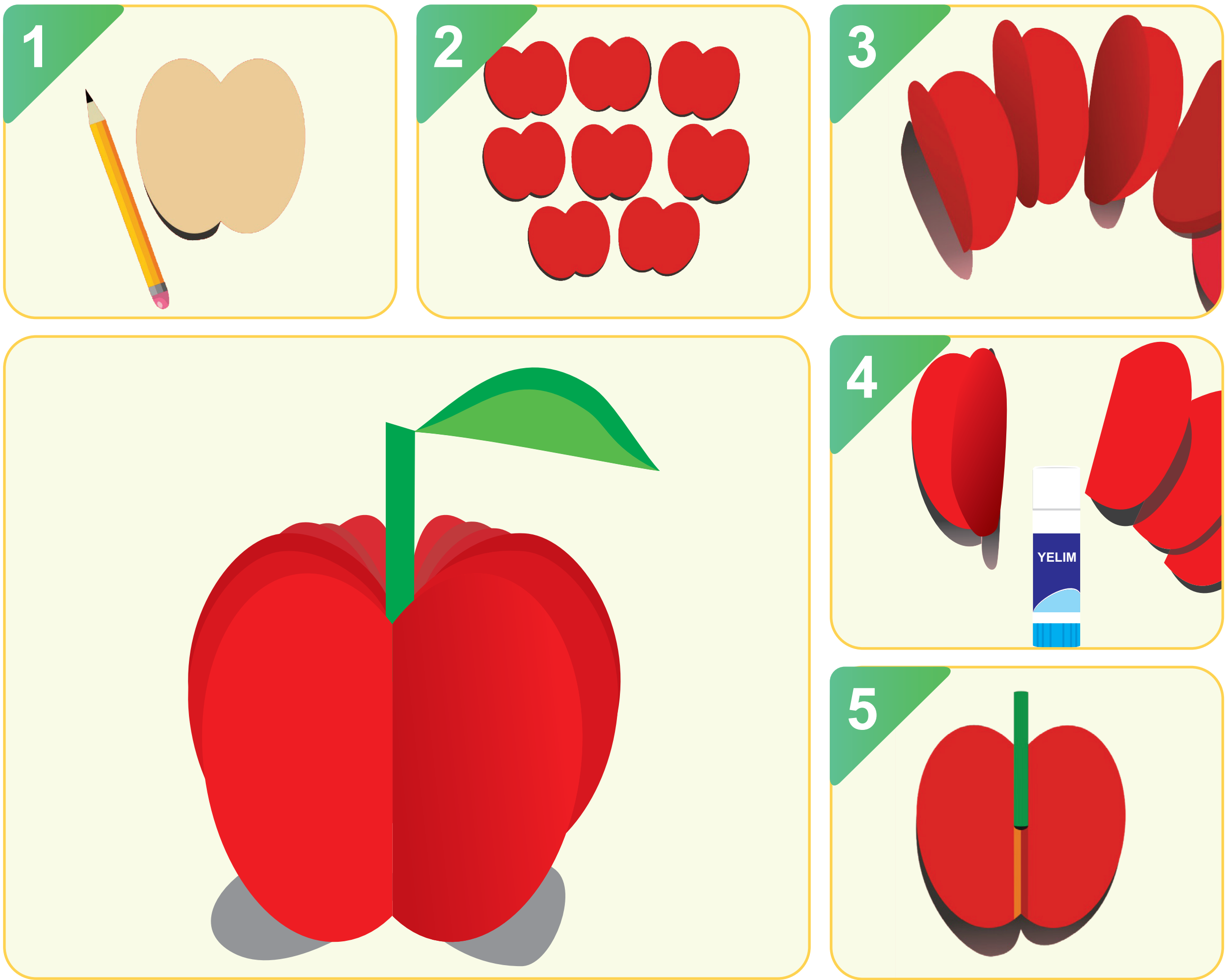
2. Qog‘ozni gorizontal buklash usuli

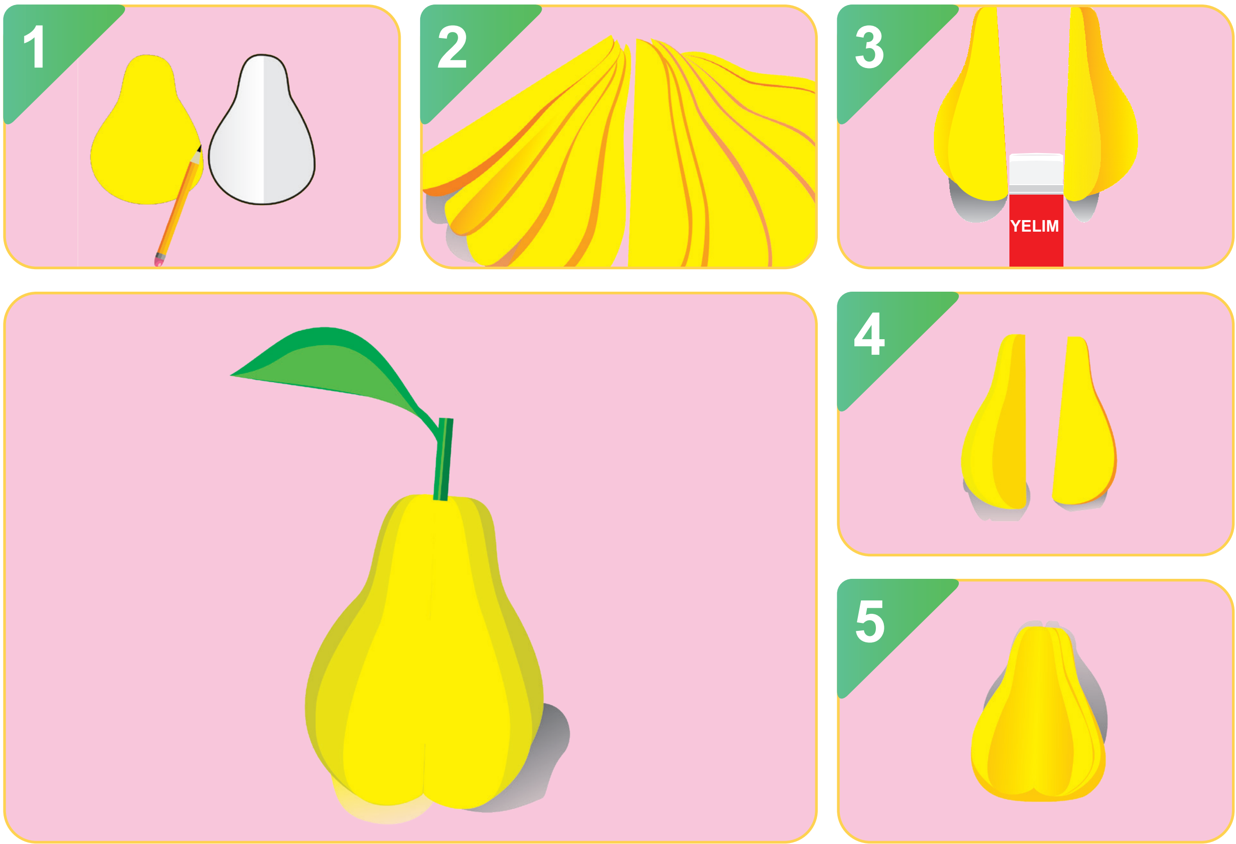


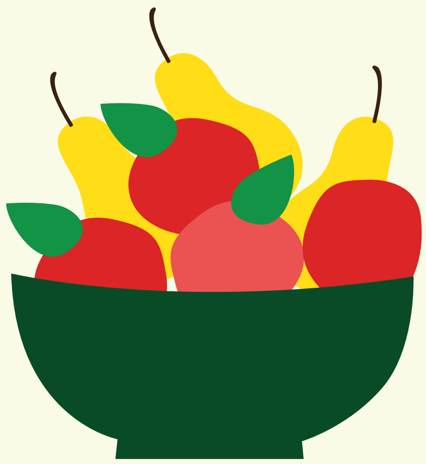
3. Qog‘ozni burchak ostida buklash usuli



11–12-darslar “KUZ NE’MATLARI” MAVZUSIDA KOMPOZITSIYA YASASH. JAMOA ISHI







Kuzda pishadigan mevalar shaklini rangli qog‘ozdan yasang.

13-
DARS

13-dars

QO'ZIQORIN SHAKLINI YASASH

1. Qo'ziqorin qayerlarda o'sadi?
2. Uni iste'mol qilish mumkinmi?

Qo'ziqorinlarni o'rganing va tahlil qiling.

1. Iste'molga yaroqli qo'qizorinlar

2. Zaharli qo'ziqorinlar

13-DARS

Qo‘ziqorin yasash

Qo‘ziqorin shaklini yasashni yakunlang.

14-dars QURUVCHILIK KASBI. UYCHA QURISH

Aziz o‘quvchilar!

Osmono‘par binolar, maktab, shifoxona, dam olish maskanlarini qaysi kasb egalari quradi?

Quruvchi – konstruktor-muhandislar loyihasi asosida inshootlarni bunyod qiluvchi kasb egasi.

14-DARS

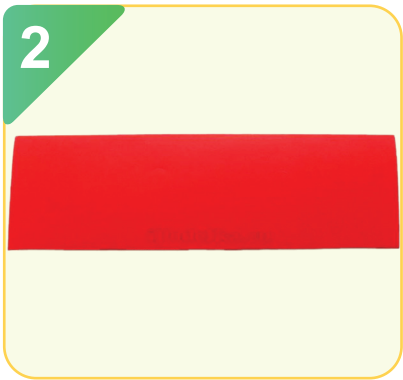
Quruvchi bo‘lish uchun nimalarni bilish kerak?

Quyidagi rasmlar asosida quruvchi kasbiga izoh bering.

14-DARS

Qog‘ozdan uycha maketini yasash

1

2


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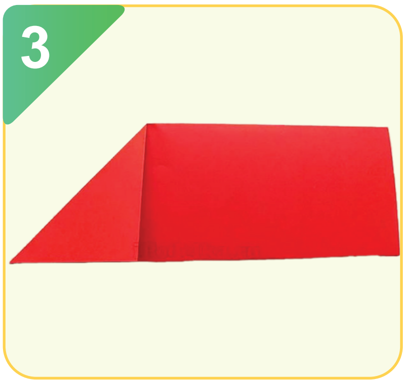

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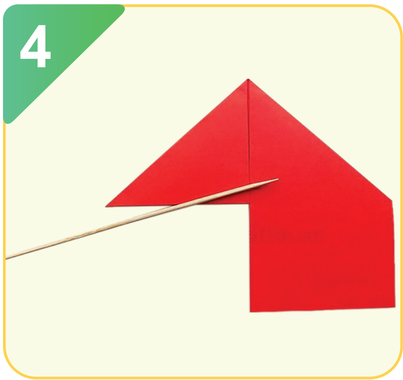

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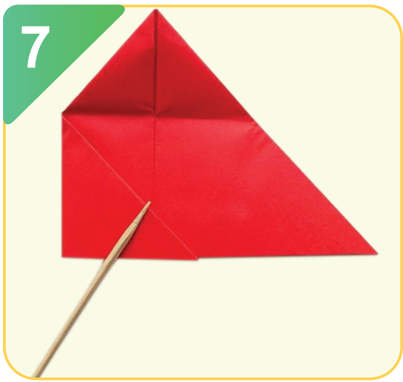

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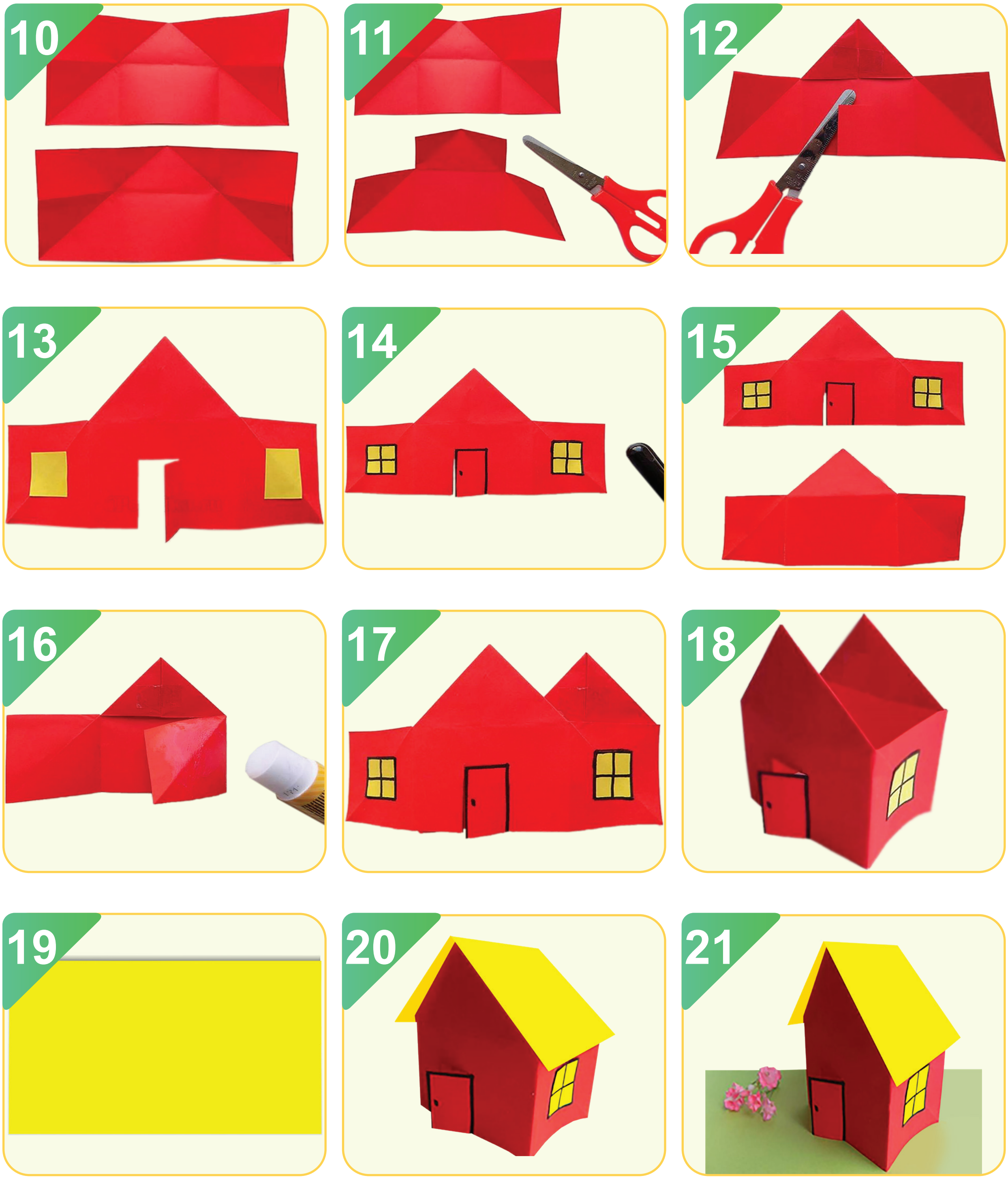


Uycha maketini yasashga harakat qiling.

15—16-
DARSLAR

15—16- darslar
TURLI QOG‘OZLARDAN YANGI YIL ARCHASI VA UNING BEZAKLARINI YASASH

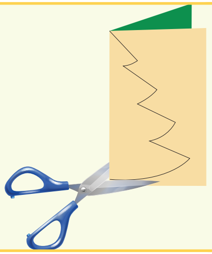
Yangi yil bayramida archa bezatiladi.

Avval archa yasang. Archani bezatishda o‘zingiz tayyorlagan o‘yinchoqlardan foydalaning.

Archani bir necha xil usulda yasash mumkin.
Biz buning ikki xil usulini ko‘rib chiqamiz.

15–16-DARSLAR

Rangli qog‘ozni ikkiga buklab, qalam bilan archa shaklini chizib olamiz.



Qaychi bilan kontur chizig‘i bo‘ylab qirqib chiqamiz. Jarayonni ikki marta takrorlaymiz.

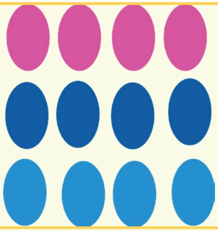
Yelim yordamida archalarni yopishtirib olamiz. Tasmadan ilgak tayyorlab, uni yelim bilan archaga yopishtiramiz.

Har xil rangli iplardan qor uchqunlari yoki yomg‘ir tomchilarini yasab olamiz.

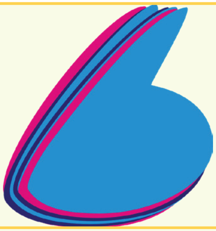
Archaga yelim surtib, surtilgan yelim ustiga qor uchqunlarini sepib chiqamiz.

15—16-DARSLAR

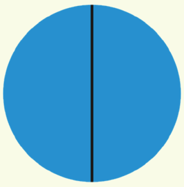
Archa uchun o‘yinchoqlar yasash



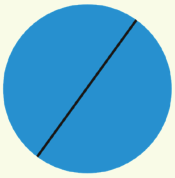
Kerakli shakllarni kesib olamiz.



Shaklni teng ikkiga buklaymiz.



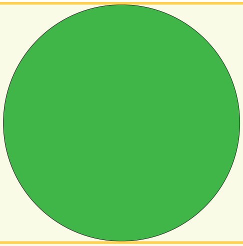
Birinchi shaklning bir tomonini ikkinchi shaklning bir tomoniga yelimlaymiz.



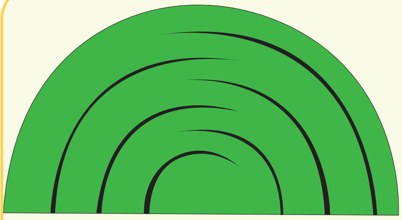
Ortiqcha yelimlarni mato bilan artamiz.

Shakl orasini ochamiz.

Archaga osish uchun tayyor o‘yinchoqqa ipni yelimlaymiz.

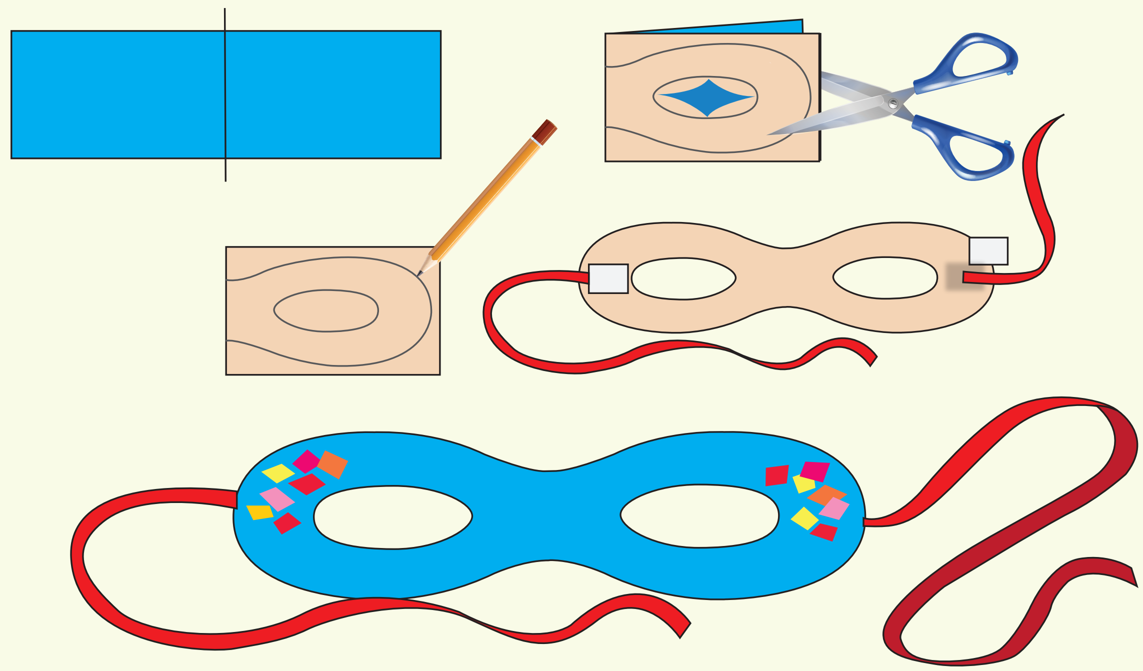


Shaklni kesib olamiz va teng ikkiga buklaymiz.



Tasvir asosida chiziq chizamiz va uni qirqamiz.

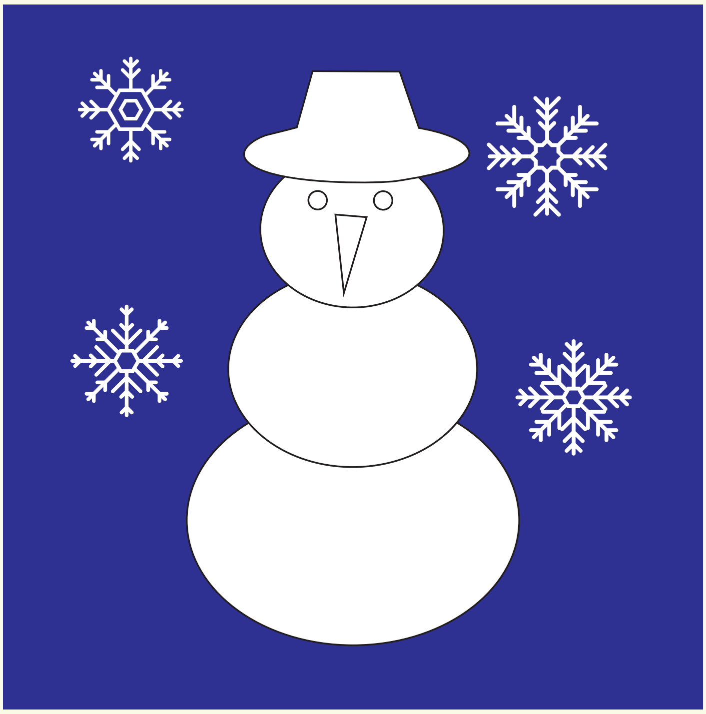
Tayyor bo‘lgan o‘yinchoqqa ipni yelimlaymiz.

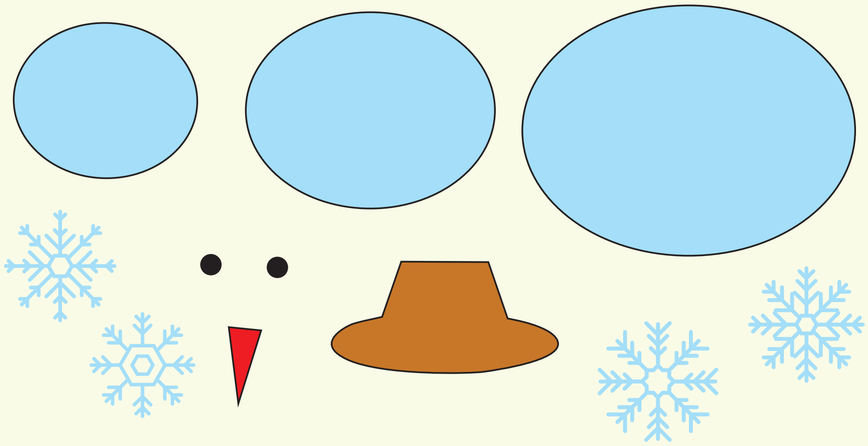


1. Karton qog‘ozni ikkiga buklab, niqob ko‘zoynak rasmini chizamiz.
2. Qaychi bilan kontur chiziqlar bo‘ylab qirqib olamiz.
3. Tasmalarni niqobning teskari tomoniga yelimlab olamiz.
4. Turli shakllardan foydalanib niqobni bezatib chiqamiz.

Yangi yil bayrami uchun niqob yasashga harakat qiling.

17-dars APPLIKATSIYA USULIDA QISH MANZARASINI YASASH



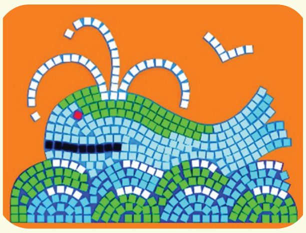


O‘zingiz xohlagan shakllardan foydalanib qish manzarasini yarating.

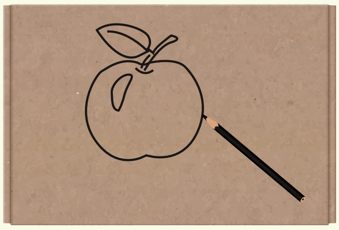
18-
DARS

18-dars MOZAIKA USULIDA OLMA SHAKLINI YASASH

Mozaika har xil bo'laklardan shakl hosil qilishdir. Mozaikadagi shakllar rangi va tuzilishiga ko'ra bir-biridan ajralib turadi.



Olma shaklini yasash texnologiyasi



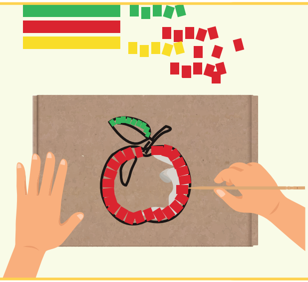
Kartonning markaziga shablon yordamida olma shaklini chizamiz.

Qizil, sariq, yashil rangli qog'ozlarni olib, ularni chetidan boshlab bir xil o'lchamda maydalab chiqamiz.

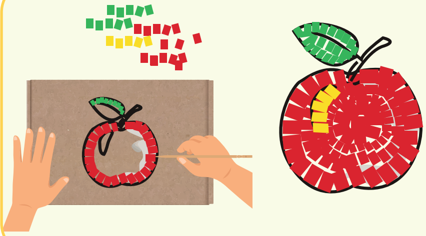
18-DARS

Kontur chizig‘idan chiqmasdan PVA yelimini yupqa qilib surtamiz.

Maydalangan qog‘oz parchalarini tishkavlagich bilan kontur bo‘ylab yopishtirib chiqamiz. Yelimning ortiqchasini qog‘oz sochiq bilan olib tashlaymiz.



Barglarini ham shu tartibda yopishtiramiz. So‘ng olma o‘rtasini o‘z xohishimizga ko‘ra to‘ldiramiz.

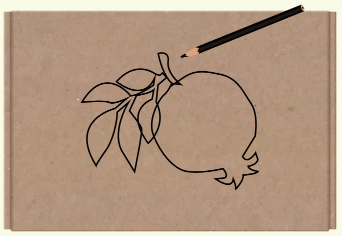


Tayyor bo‘lgan applikatsiyani quritamiz.

Olma shaklini yasashni yakunlang.

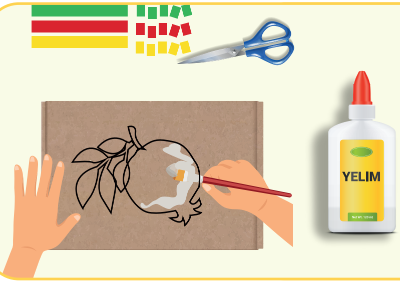
19-dars MOZAIKA USULIDA XURMO VA ANOR SHAKLLARINI YASASH

1. Anor shaklini yasash texnologiyasi

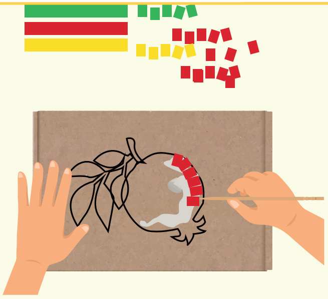


Kartonning markaziga shablon yordamida anor shaklini chizamiz.

Qizil, sariq, yashil rangli qog‘ozlarni olib, ularni chetidan boshlab bir xil o‘lchamda maydalab chiqamiz.

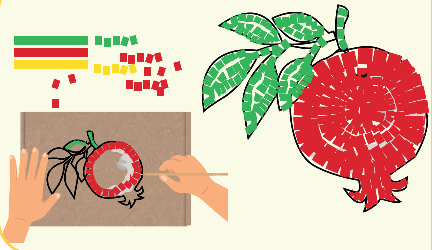


Kontur chizig‘idan chiqmasdan PVA yelimini yupqa qilib surtamiz.



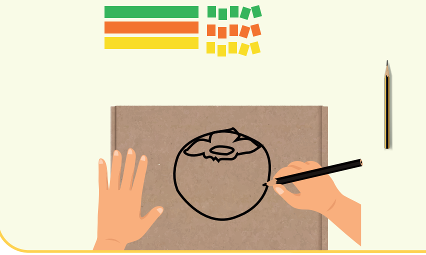
Maydalangan qog‘oz parchalarini tishkavlagich bilan kontur bo‘ylab yopishtirib chiqamiz. Yelimning ortiqchasini qog‘oz sochiq bilan olib tashlaymiz.

Barglarini ham shu tartibda yopishtiramiz. So‘ng anor o‘rtasini o‘z xohishimizga ko‘ra to‘ldiramiz.



Tayyor bo‘lgan applikatsiyani quritamiz.

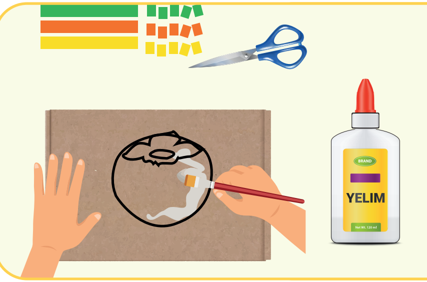
2. Xurmo shaklini yasash texnologiyasi



Kartonning markaziga shablon yordamida xurmo shaklini chizamiz.

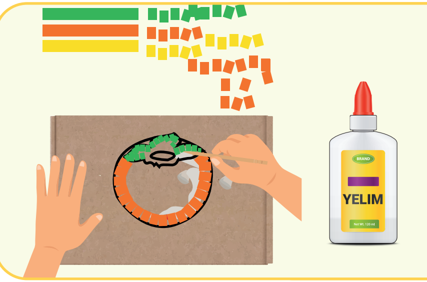
Olovrang va yashil rangli qog‘ozlarni olib, ularni chetidan boshlab bir xil o‘lchamda maydalab chiqamiz.

19-DARS

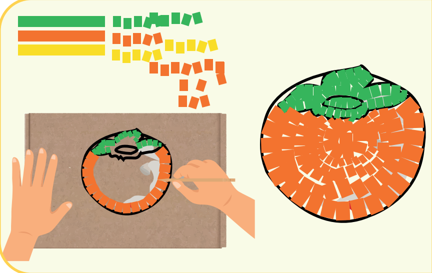


Kontur chizig‘idan chiqmasdan PVA yelimini yupqa qilib surtamiz.

Maydalangan qog‘oz parchalarini tishkavlagich bilan kontur bo‘ylab yopishtirib chiqamiz. Yelimning ortiqchasini qog‘oz sochiq bilan olib tashlaymiz.



Barglarini ham shu tartibda yopishtiramiz. So‘ng xurmo o‘rtasini o‘z xohishimizga ko‘ra to‘ldiramiz.



Tayyor bo‘lgan applikatsiyani quritamiz.

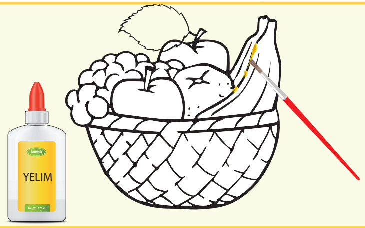
Anor va xurmo shakllarini yasashni yakunlang.

20—21-darslar “SAVATDA MEVALAR” MAVZUSIDA KOMPOZITSIYA YASASH

Savatdagi mevalar shaklini yasash texnologiyasi

Kartonning markaziga shablon yordamida savatdagi mevalar shaklini chizamiz.

Olovrang va yashil rangli qog‘ozlarni olib, ularni chetidan boshlab bir xil o‘lchamda maydalab chiqamiz.



Kontur chizig‘idan chiqmasdan PVA yelimini yupqa qilib surtamiz.

Rangli qog‘oz parchalarini kontur bo‘ylab yopishtirib chiqamiz.

Tayyor bo‘lgan applikatsiyani quritamiz.

Savatdagi mevalar shaklini yasashni yakunlang.

22-
DARS

22-dars FIL VA JIRAFA SHAKLLARINI YASASH

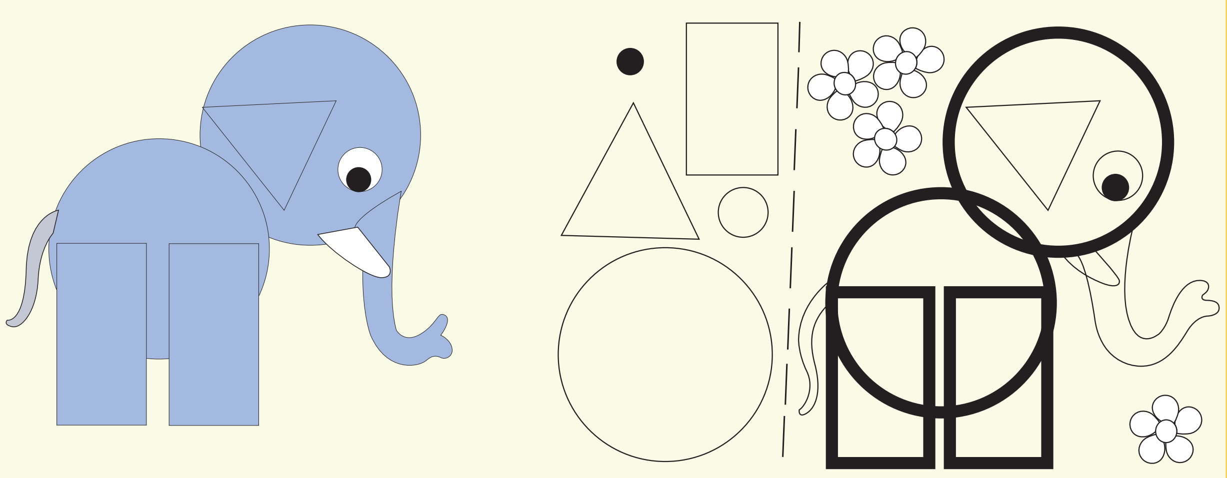
Fil shaklini yasash:

1. Filning tana va bosh qismlari uchun qog'ozdan ikkita doira shaklini qirqib olamiz.

2. Qulog'i uchburchak shaklida, oyoqlari to'g'ri to'rtburchak shaklida bo'ladi.

3. Egri va bezakdor shakllar yordamida dumi, bir juft yirik tishi va xartumini, katta va ichi bo'yalgan kichik doiracha yordamida ko'zini yasaymiz.

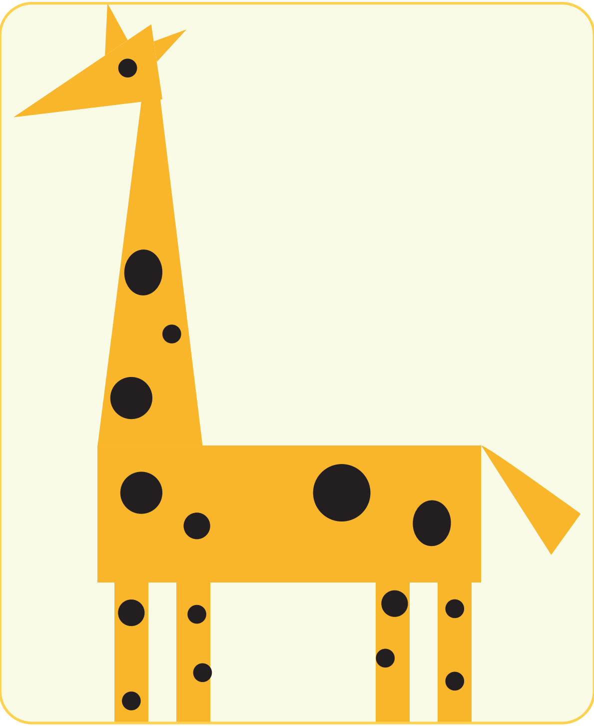
4. Doiracha shakllardan foydalanib gullarni o'zimiz ixtiro qilamiz.

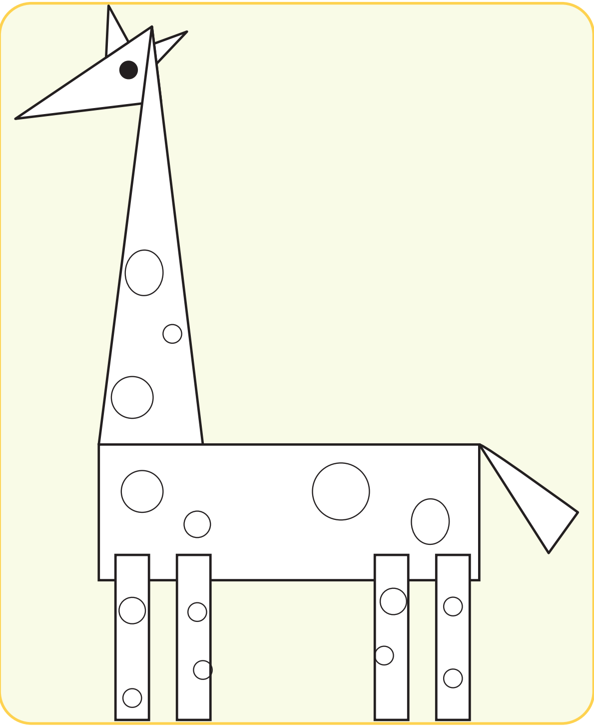


Jirafa shaklini yasash:

1. Jirafaning bo‘yni, boshi, dumi, quloqlari uchburchak shaklida, tanasi va oyoqlari esa to‘g‘ri to‘rtburchak shaklida bo‘ladi.

2. Tanasini doirachalar bilan bezatamiz.



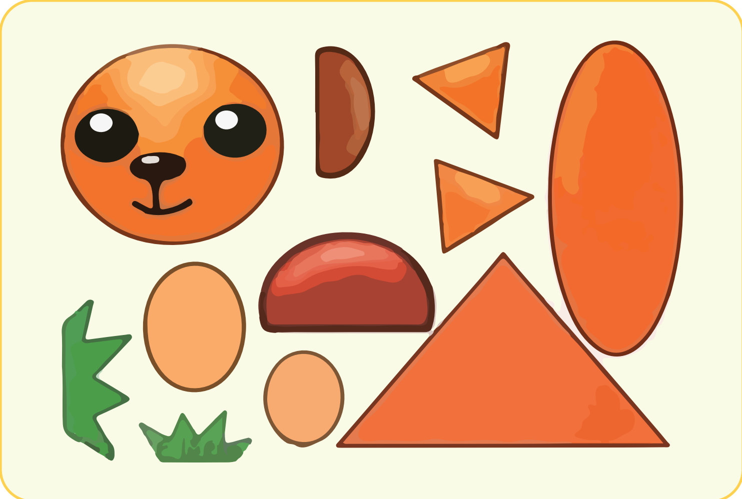


Fil va jirafa shakllarini yasashni yakunlang.

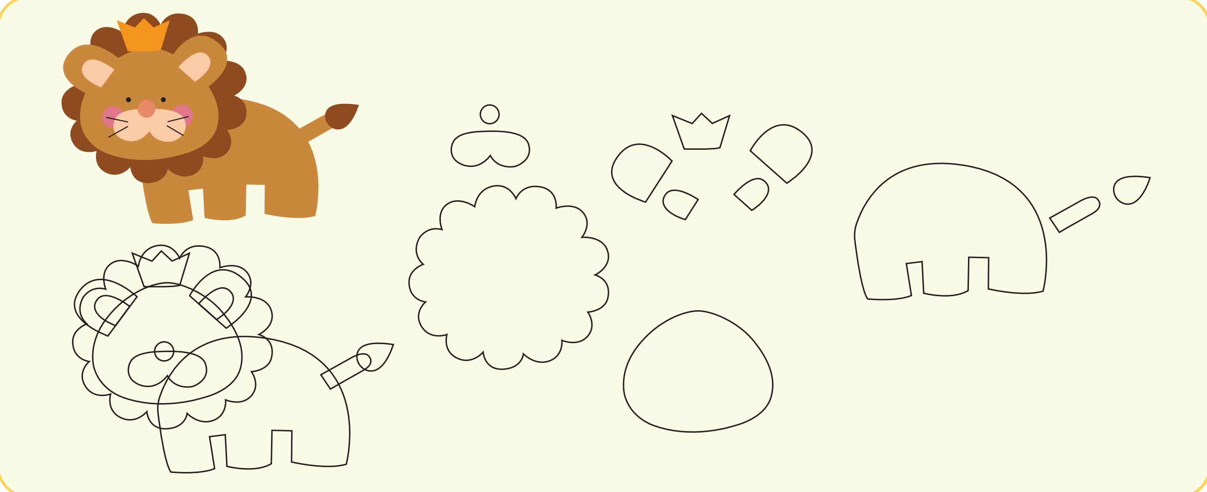
23-
DARS

23-dars “HAYVONOT BOG‘I” MAVZUSIDA KOMPOZITSIYA YASASH

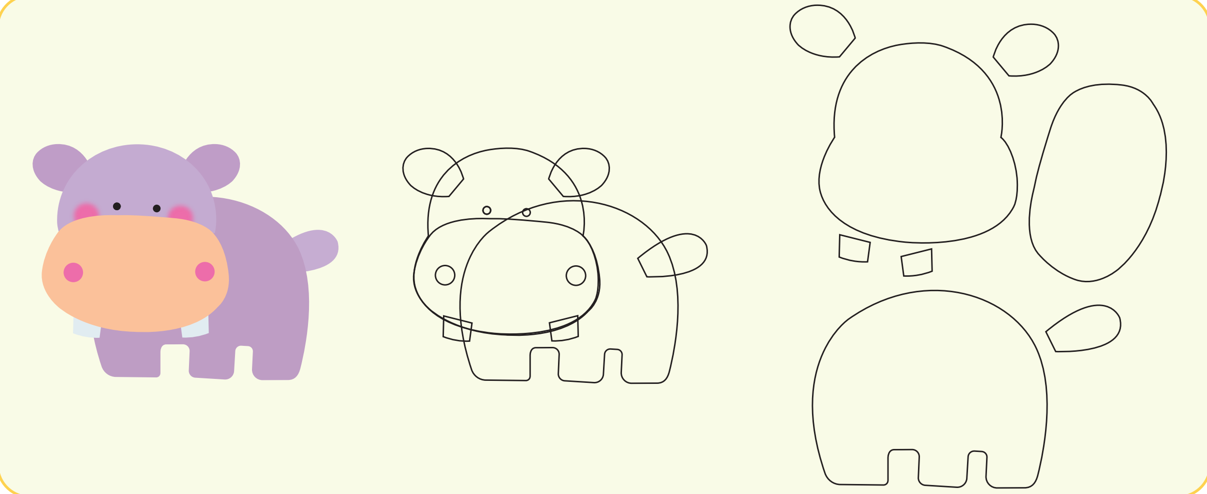
Olmaxon shaklini yasash



Sherxon shaklini yasash



Begemot shaklini yasash



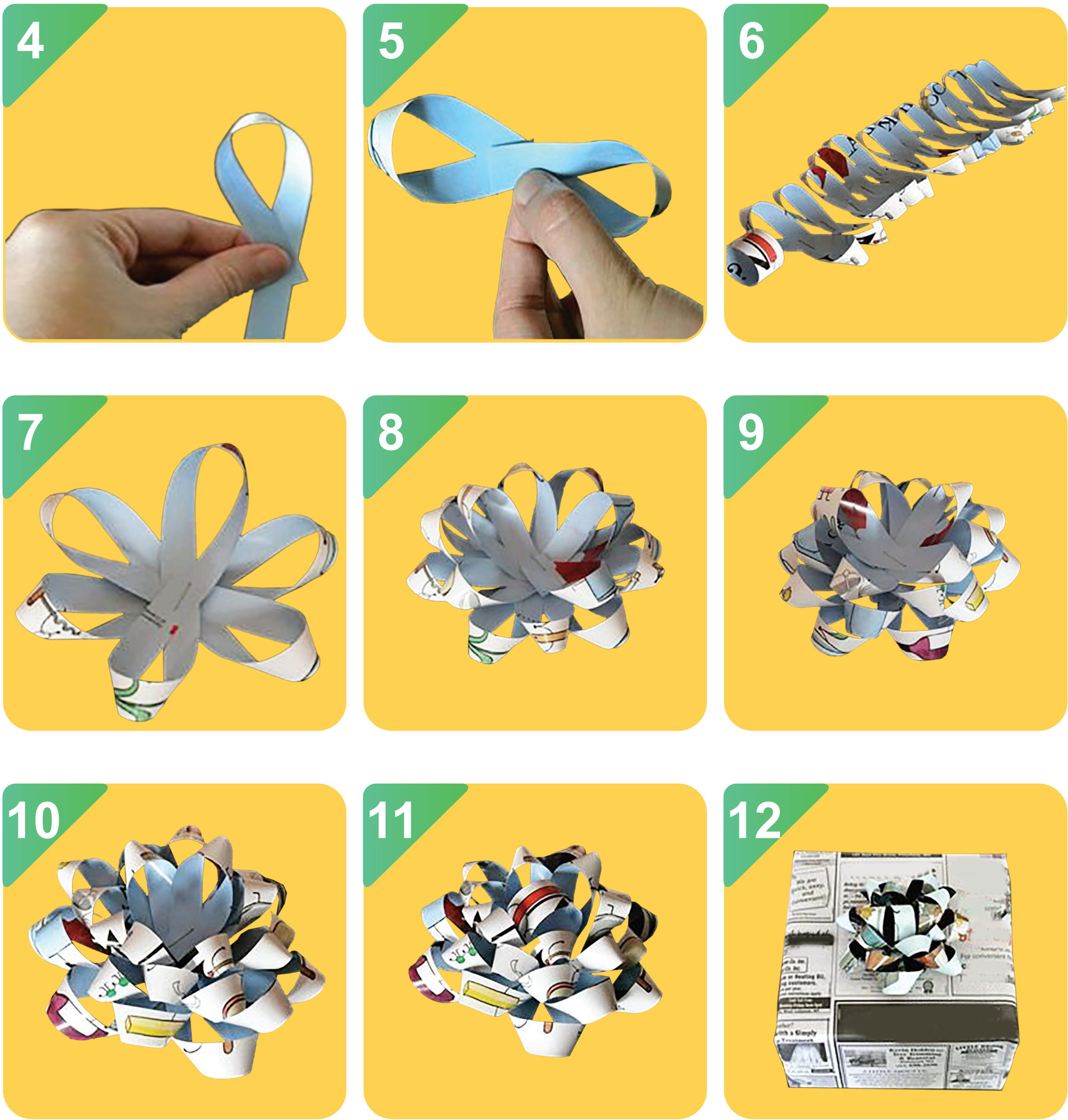
"Hayvonot bog'i" mavzusida kompozitsiyani yakunlang.

24-
DARS

24-dars QOG'OZLI TASMADAN HAJMDOR GUL SHAKLINI YASASH

1-usul. Rangli qog'ozlardan hajmdor gul yasash

2-usul. Gazeta va jurnallar yordamida hajmdor gul yasash

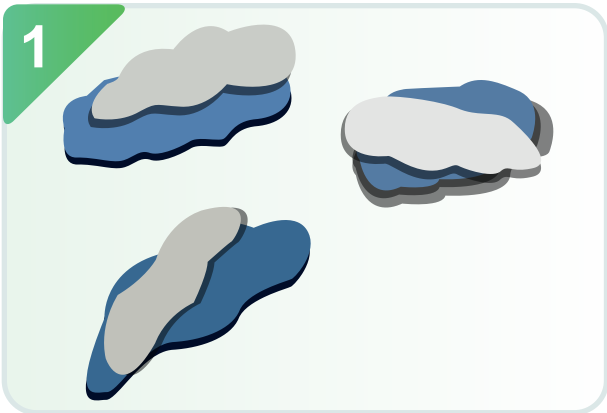


Hajmdor gul shaklini yasashni yakunlang.

25-dars SOYABON YASASH

Qog'ozni buklash usuli yordamida soyabon yasash

1



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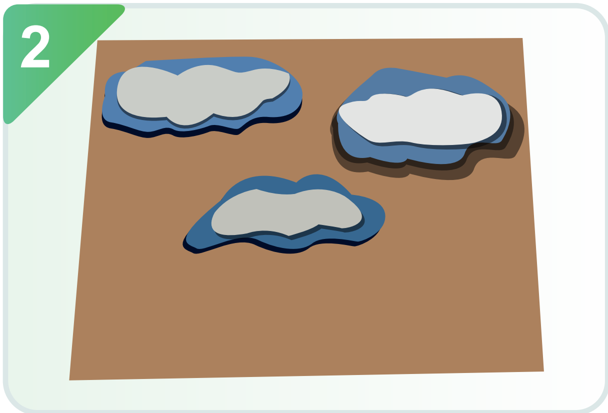

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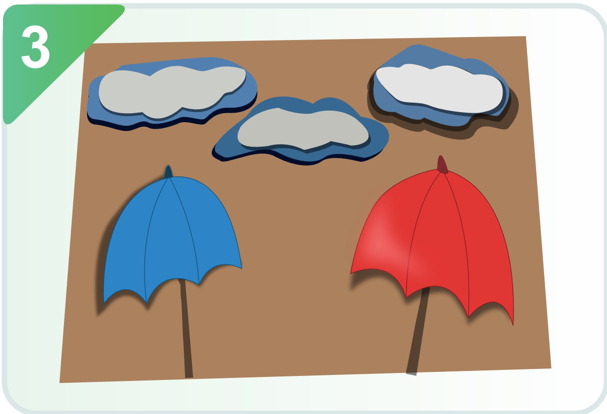


4

1. Rangli qog'ozni olamiz va qalam bilan bir xil shaklda 15 dona doirachani chizamiz.
2. Doirachalarni qaychi yordamida qirqib olamiz.
3. Ularni teng ikkiga, so'ng yana bir marta teng ikkiga buklaymiz. Natijada to'rtta buklam hosil bo'ladi.

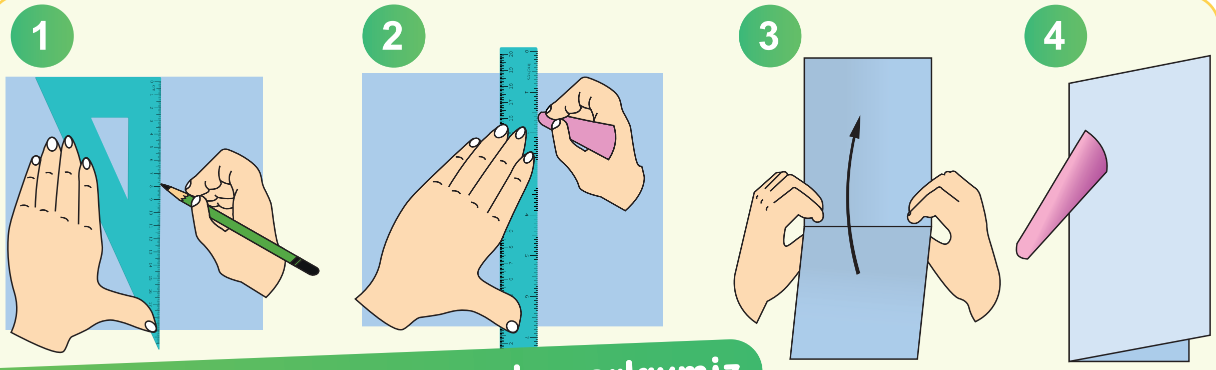
4. Buklangan barcha shakllarni yelim yoki skotch yordamida bir-biriga yopishtirib chiqamiz.
5. Ular o'rtasidan kokteyl naychasini o'tkazsak, mitti soyabon hosil bo'ladi.

Tayyor qismlarni applikatsiya usulida rangli kartonga yopishtiring.

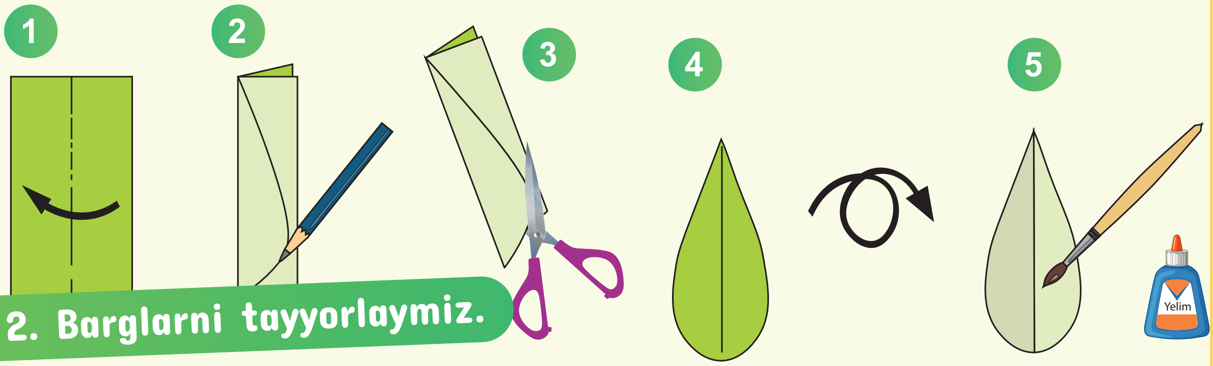
26-
DARS

26-dars NAZORAT ISHI. TABRIKNOMA YASASH

Bayramga tabriknoma tayyorlash

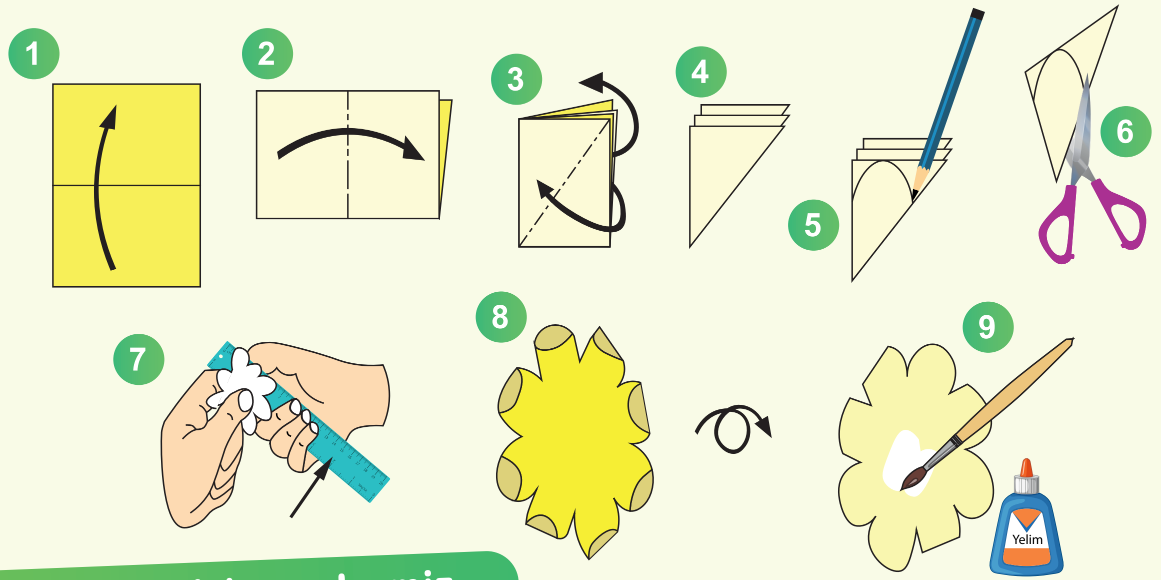


1. Tabriknoma uchun asos tayyorlaymiz.

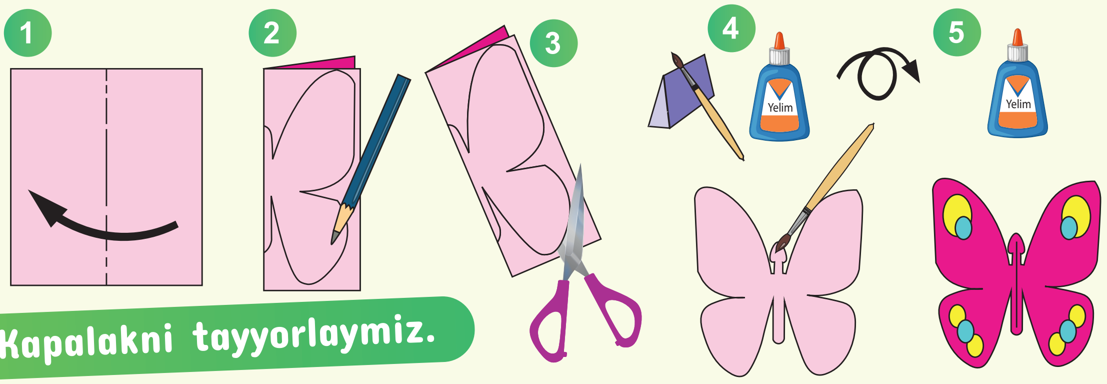


2. Barglarni tayyorlaymiz.

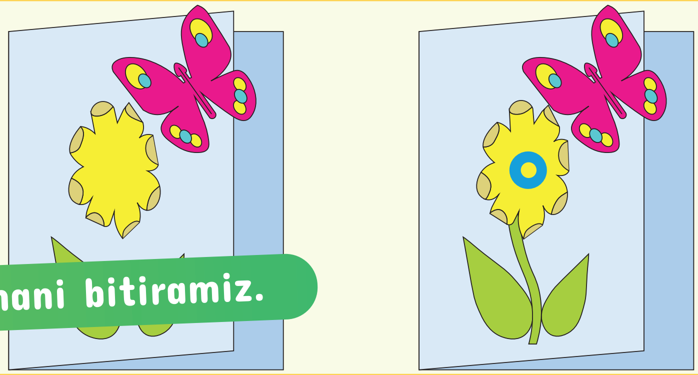
26-DARS



3. Gullarni tayyorlaymiz.



4. Kapalakni tayyorlaymiz.



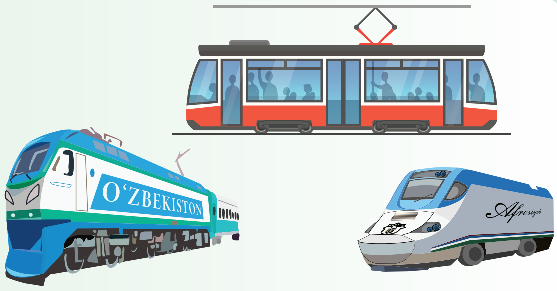
5. Tabriknomani bitiramiz.

Tabriknoma yasashni yakunlang.

27-
DARS

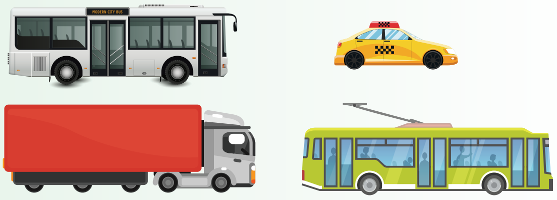
27-dars TRANSPORT TURLARI VA UNING INSON HAYOTIDAGI O‘RNI

Transport turlari



Temiryo‘l transporti

Suv transporti



Avtotransportlar

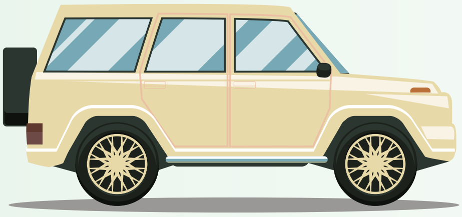
Havo transporti

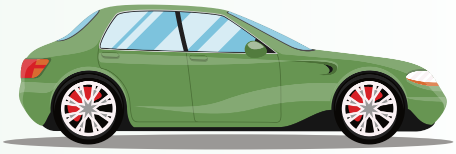
Siz qaysi transport turidan ko‘proq foydalanasiz?

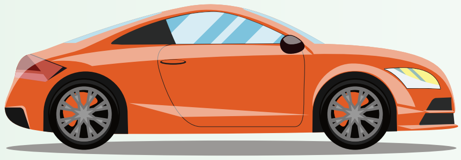
28-dars QOG'OZNI BUKLASH USULI YORDAMIDA AVTOMOBIL SHAKLINI YASASH

Avtotransport turlari

Yuk tashuvchi mashinalar



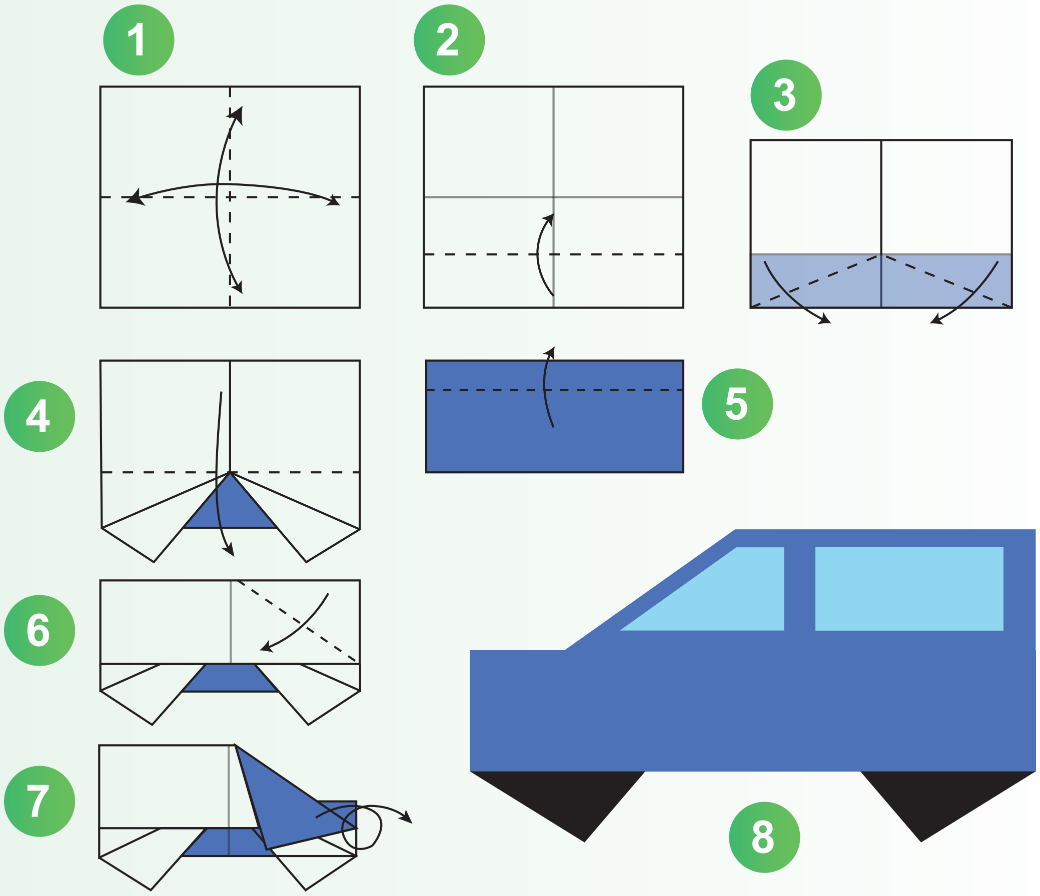




Yengil mashinalar

28-
DARS

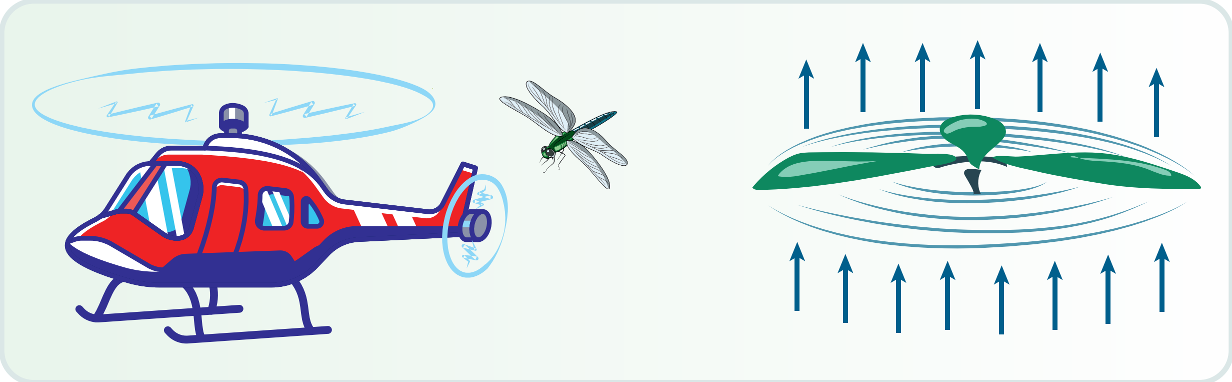
Origami usulida avtomobil yasash

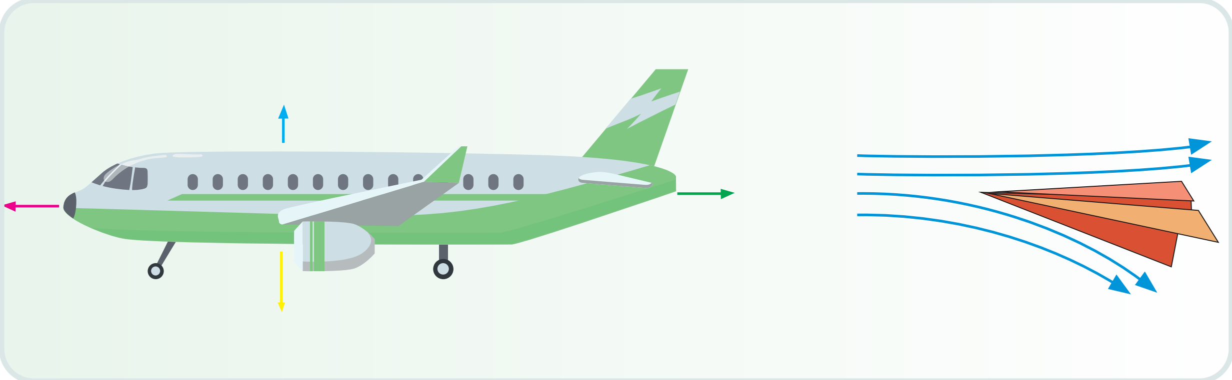


Qog‘ozni buklash orqali yana qanday avtomobil modelini yaratish mumkin?

29-dars QOG‘OZNI BUKLASH USULI YORDAMIDA SAMOLYOT SHAKLINI YASASH

Uchuvchi apparatlar qanday uchadi?

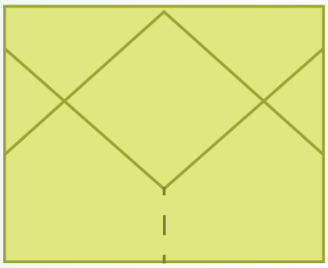




29-DARS

Origami usulida samolyot yasash

1



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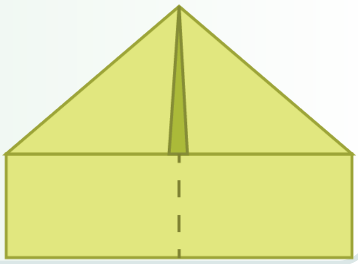

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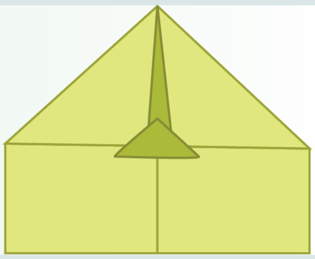

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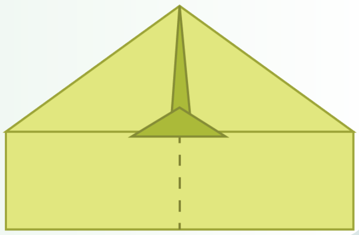

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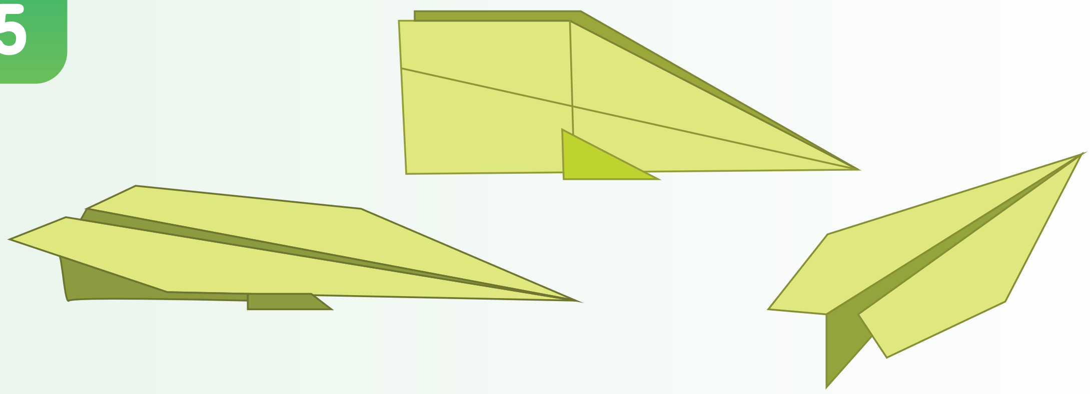
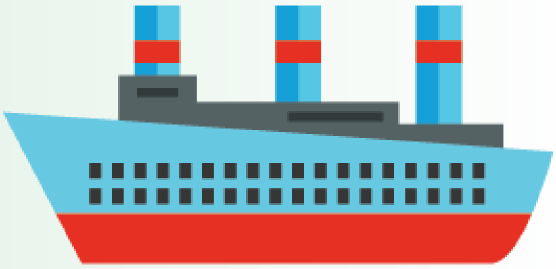


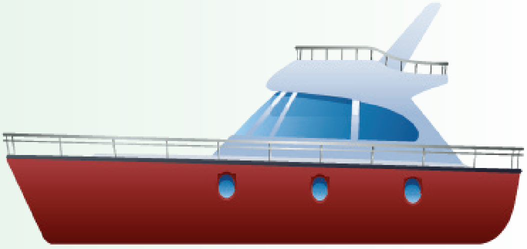
Samolyot shaklini tayyorlang.

30-dars QOG'OZNI BUKLASH USULI YORDAMIDA KEMA SHAKLINI YASASH

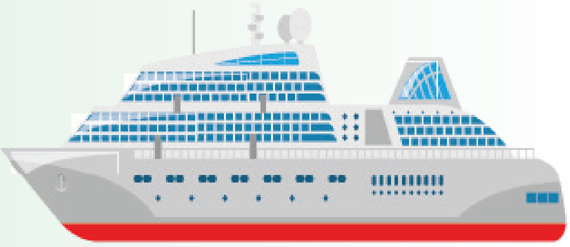
Suv transporti turlari



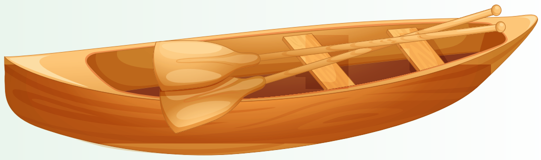
Teploxod



Kater



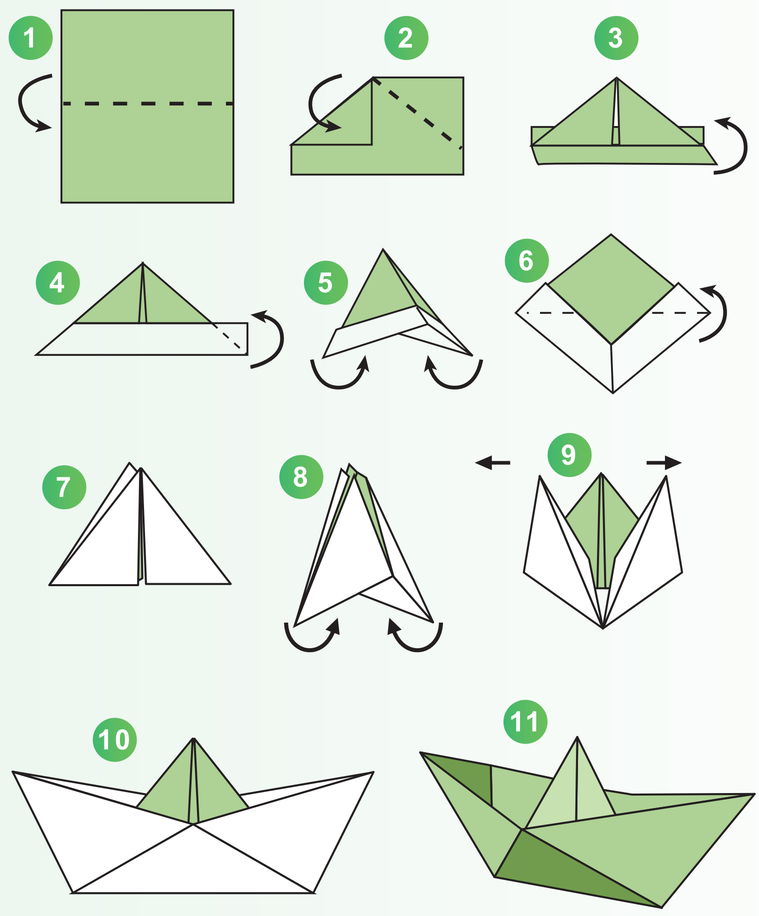
Layner



Qayiq

30-DARS

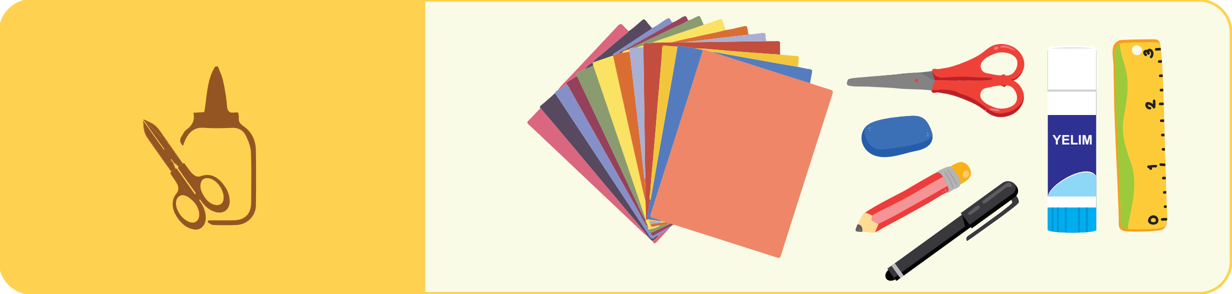
Origami usulida kema yasash



Kemani applikatsiya usulida yasashga harakat qiling.

31-dars NAZORAT ISHI

Poyga avtomobilini yasash



1

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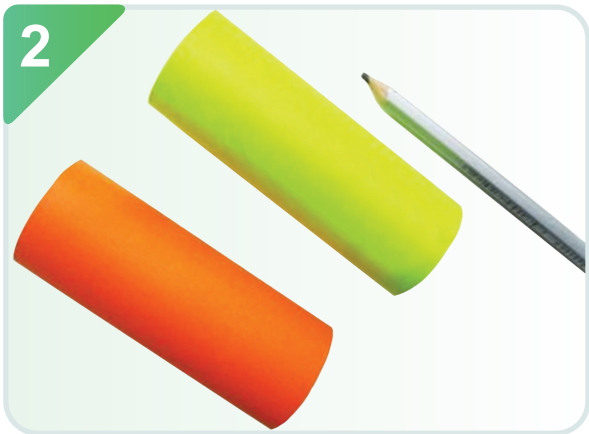

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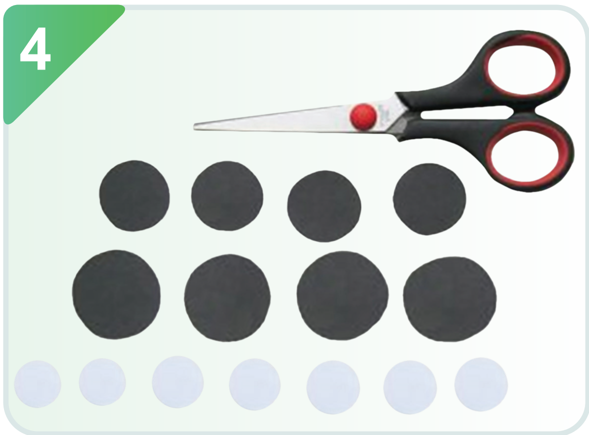
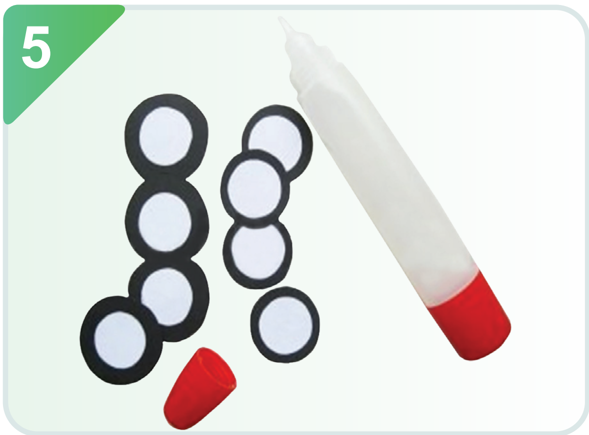


31-
DARS

5


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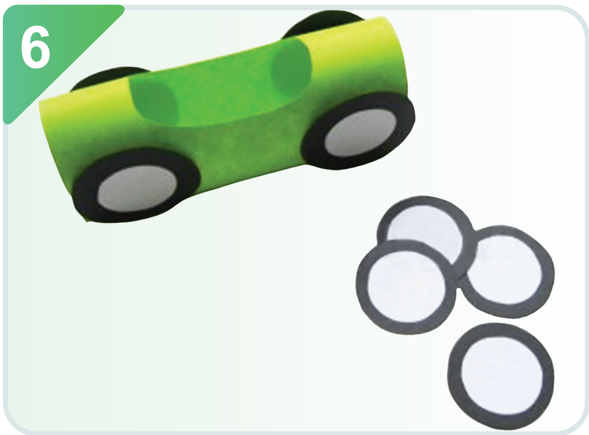

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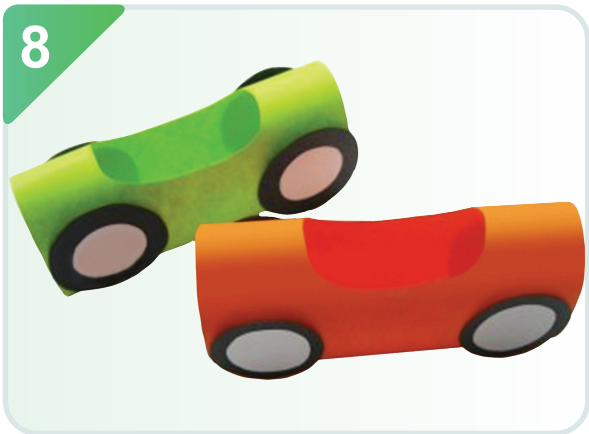


9

10

Origami usulida oʻzingiz xohlagan transport turini yasang.

32–33-darslar “SEHRLI TUGMALAR” MAVZUSIDA KOMPOZITSIYA YASASH

Tugma kichik o‘lchamdagi buyum bo‘lib, qattiq materiallardan tayyorlanadi. Tugmalardan barcha kiyim turlari, oyoq kiyimlar hamda boshqa buyum qismlarini o‘zaro biriktirishda foydalaniladi.

Tugmaning turlari

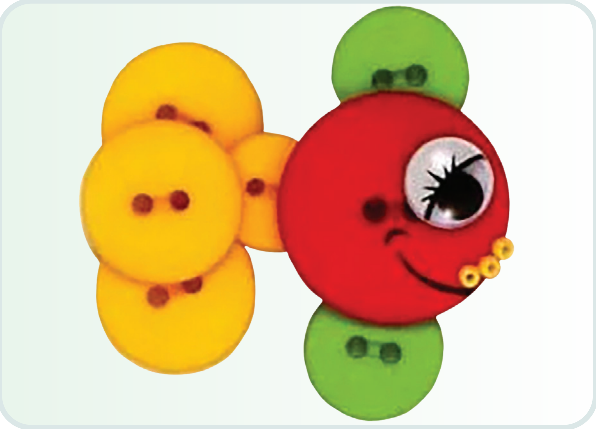
Rangiga ko‘ra

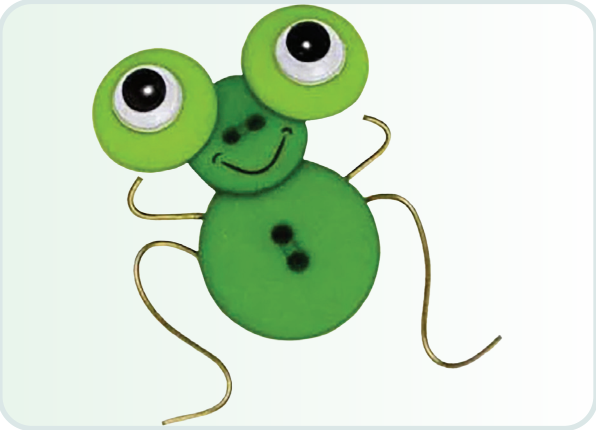
Shakliga ko‘ra

O‘lchamiga ko‘ra

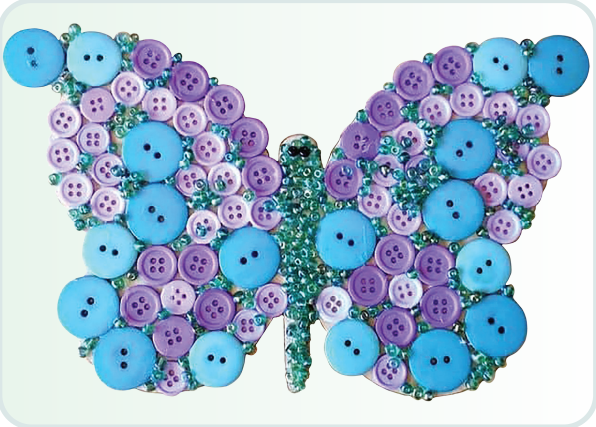
32—33-DARSLAR

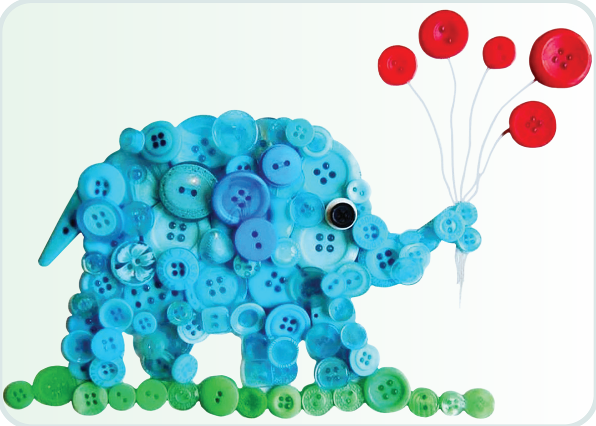
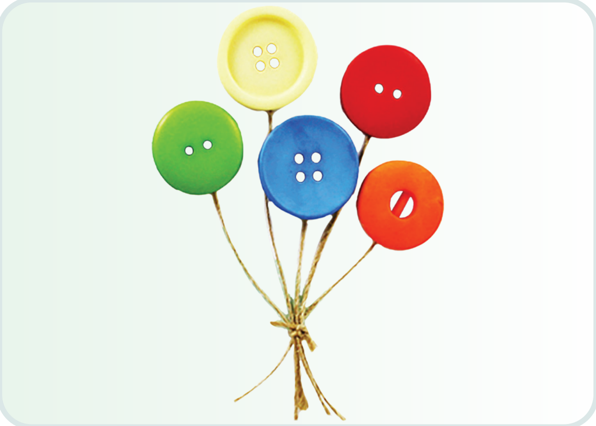
Tugmalardan turli shakllarni hosil qilish

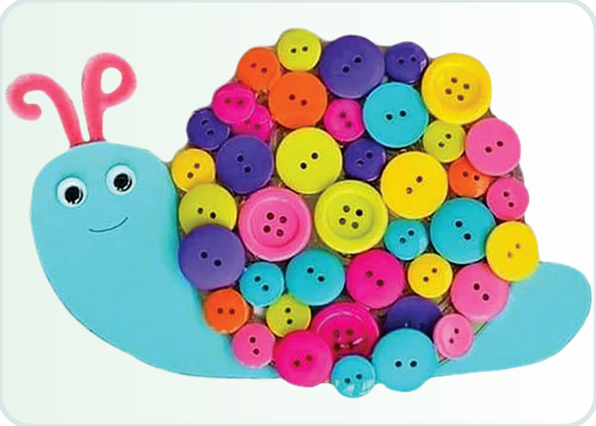




Tugmalardan kompozitsiya yasash





Tugmalardan oʻzingiz xohlagan shakllarni yasang.

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O‘quv nashri

Dilbar Miraxmedova, Zulfizarxon Shamsiyeva

TEXNOLOGIYA

Umumiy o‘rta ta'lim maktablarining
1-sinfi uchun darslik

Muharrir Orifjon Madvaliyev
Dizayner Oloviddin Sobir o‘g‘li
Rassomlar Kamoliddin Nurmanov, Gulmira Utekulova
Texnik muharrir Shoxrux Turaxanov
Sahifalovchi Qobil Raufov
Musahhih Nilufar Oymatova

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Toshkent shahar, Yunusobod tumani, Yangishahar ko‘chasi, 1-A uy.

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