TEXNOLOGIYA

2

Umumiy o‘rta ta’lim maktablarining 2-sinfi uchun darslik

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

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Shartli belgilar

— savol

— topshiriq

— eslab qoling

— mustaqil bajaring

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dr.rtm.uz

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1-dars
Inson va texnologiya 6

2-dars
Texnologik vositalar 8

3-dars
“Daraxtlarning kuzgi ko‘rinishi” mavzusida hajmdor applikatsiya tayyorlash 12

4-dars
“Kuzgi gullar”. Urug‘lardan gullar shaklini yasash 16

5-dars
“Poliz ekinlari”. Urug‘lardan qovoq shaklini yasash 18

6-dars
Tabiiy materiallardan hayvonlar shaklini yasash 19

7-dars
Mozaika usulida ertak qahramonlarini yasash 21

8-dars
Nazorat ishi–1.
Oltin baliqcha shaklini yasash 22

9-dars
Qog‘ozdan applikatsiya usulida naqsh yasash 24

10-dars
Hajmdor aplikatsiya usulida toshbaqa va chumchuq shaklini yashash 27

11—12-darslar
Kvilling – cheksiz fantaziya. Kvilling usulida gullar, hayvonlar, parrandalar va boshqa shakllar yasash 28

13-dars
Qog‘ozni modellashtirish va hajmdor panda shaklini yasash 30

14-dars
Suvosti saltanati. Hajmdor applikatsiya usulida akvarium yasash.
Jamoa ishi 32

15-dars
Nazorat ishi–2. Yangi yil bayramiga taxlamali tabriknoma tayyorlash 35

16-dars
Bayram uchun niqob tayyorlash 38

17—18-darslar
Hunarmand usta. G‘oya va ixtiro 41

19-dars
Uy jihozlari shaklini yasash va kompozitsiya tuzish 44

20-dars
Texnologik jarayon va uning bosqichlari 47

21-dars
O‘lchash va rejalash 50

22-dars
Harakatlanuvchi hajmdor o‘yinchoqlar yasash 54

23—24-darslar
Harakatlanuvchi yuk mashinasini yasash 57

25-dars
Qog‘ozdan velosiped maketini yasash 61

26-dars
Nazorat ishi–3. “Chorraha” nomli kompozitsiyani applikatsiya usulida ishlash 63

27—28-darslar
Harakatlanuvchi havo transportini (samolyot, vertolyot) yasash 65

29—30-darslar
CD disklardan turli buyumlar yasash 68

31—32-darslar
Polimer materiallardan suvenir yasash 70

33-dars
Nazorat ishi–4. Humo qushi shaklini yasash 73

34-dars
Applikatsiya usulida hajmdor guldasta tayyorlash 75

O‘tilgan mavzular yuzasidan topshiriqlar 77

KIRISH

Aziz o‘quvchi!

Siz 1-sinf ‘‘Texnologiya’’ darsida qo‘l mehnati bilan bajariladigan ish namunalarini, mehnat anjomlaridan to‘g‘ri foydalanish va xavfsizlik qoidalariga rioya qilishni o‘rgandingiz.

Endi siz 2-sinfda qog‘oz, karton, har xil tabiiy materiallardan bajarilishi murakkab, ko‘p bosqichli bo‘lgan turli shakllarni yasash-qurishni, bezakli o‘yinchoqlar, maket va modellarni yasashni o‘rganasiz.

Amaliy ishlarni bajarishingiz natijasida o‘z ishiga mas’uliyat va ijodiy yondashish, ish materiallaridan to‘g‘ri va o‘rinli foydalanish kabi ko‘nikmalar shakllanadi. Shuningdek, darslik yordamida turli kasb egalari va kasb-hunarlar haqida ma’lumotlar bilan yaqindan tanishasiz.

Ushbu darslik sahifalarida berilgan ish namunalarini chiroyli va sifatli bajarishda, savol va topshiriqlarga javob topishda o‘qituvchingiz maslahati, ota-onangiz ko‘magi va o‘z ijodiy bilimlaringizga suyanishingiz kerak.

Aziz o‘quvchilar, darslikdan unumli foydalanishga, amaliy ishlarga ijodiy yondashishga, topshiriq va mustaqil ishlarni to‘g‘ri bajarishga harakat qiling.

Mualliflar

I BOB. TEXNOLOGIYA VA TEXNOLOGIK VOSITALAR

1-dars

Inson va texnologiya

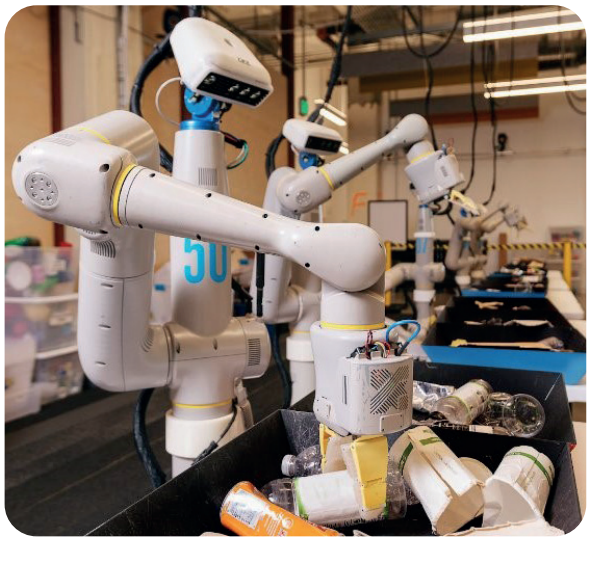




2-dars

Texnologik vositalar





BOB I

1-dars

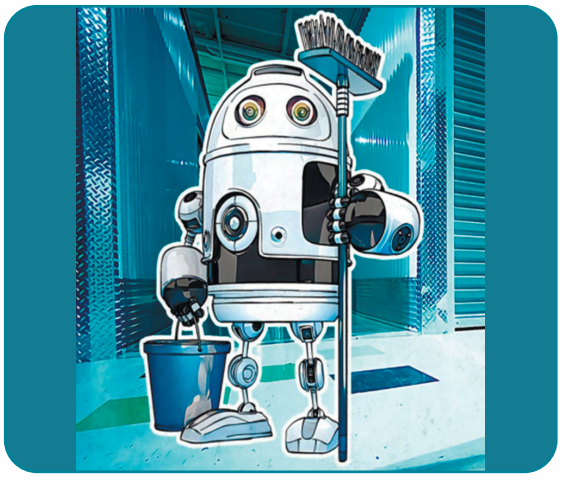
INSON VA TEXNOLOGIYA



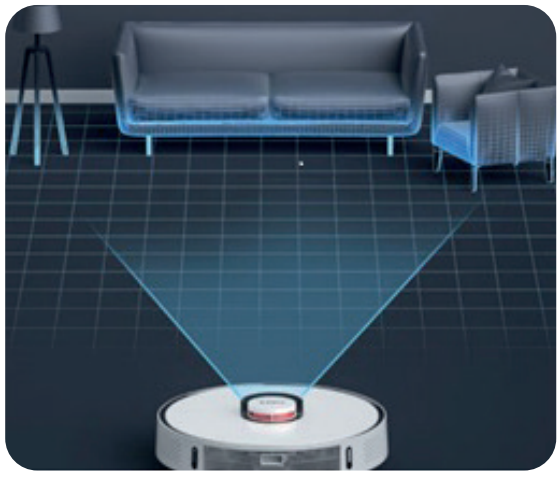
Aziz o‘quvchilar

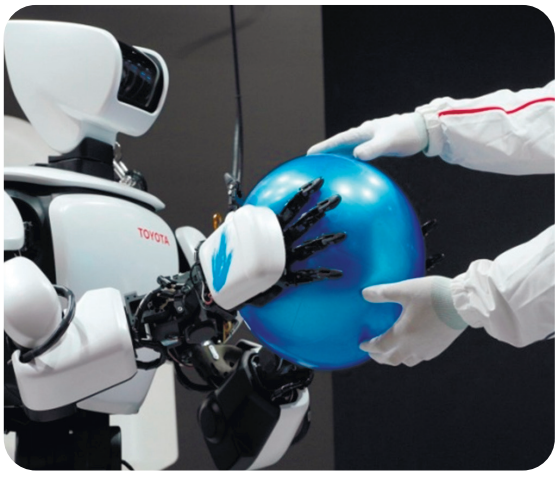
Inson mehnatini yengillashtiradigan aqlli mashinalar va texnologiyalar ixtiro qilinadi.

Rasmlarni diqqat bilan kuzating va o‘rganing. Inson va texnologiya o‘zaro aloqadorligini izohlang.









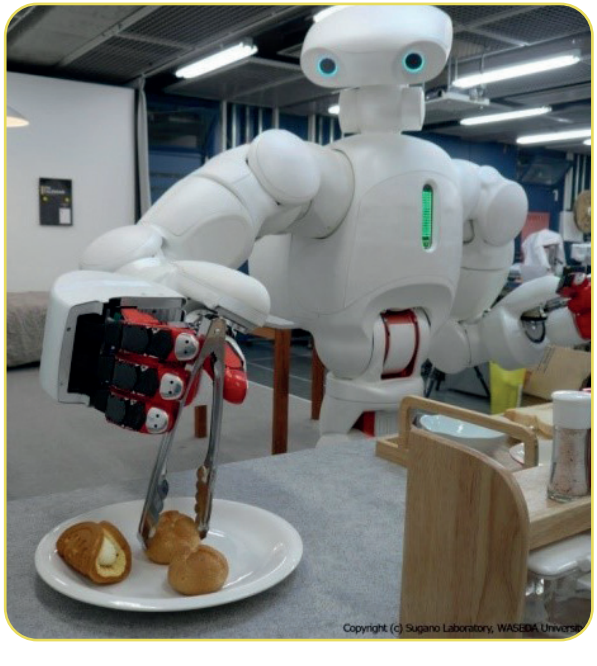






Eslab qoling

Ixtiro kaliti – tajriba va bilim. Tajriba o‘tkazish va natijaga erishish uchun o‘qish va izlanish kerak.

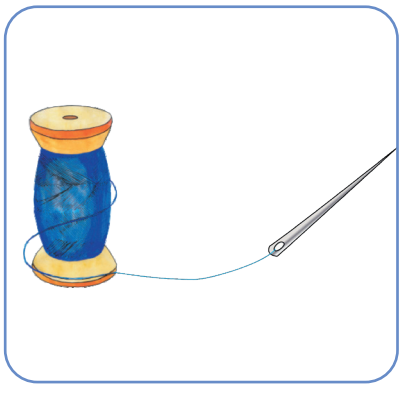




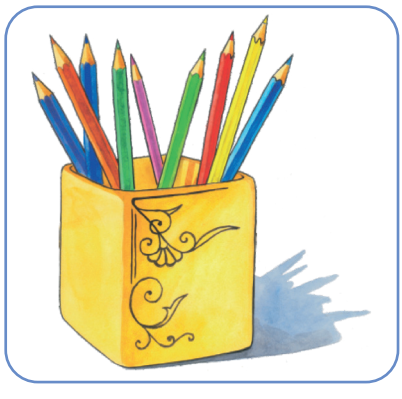
2-dars

TEXNOLOGIK VOSITALAR

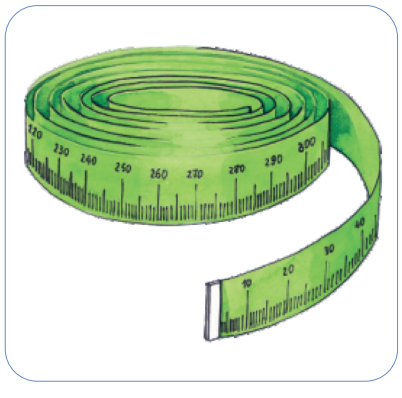
Qo‘l mehnati ish anjomlari



Igna va ip



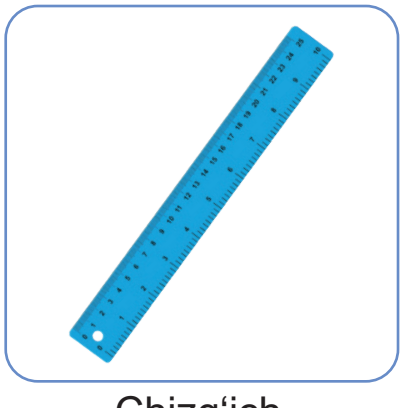
Rangli qalamlar



O‘lchash tasmasi



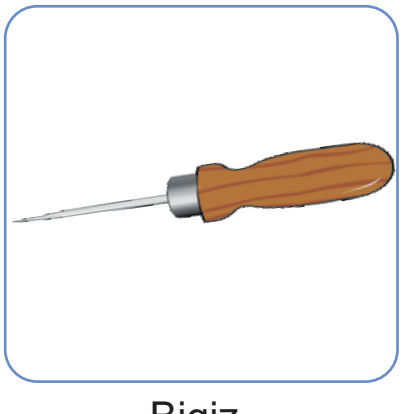
Angishvona



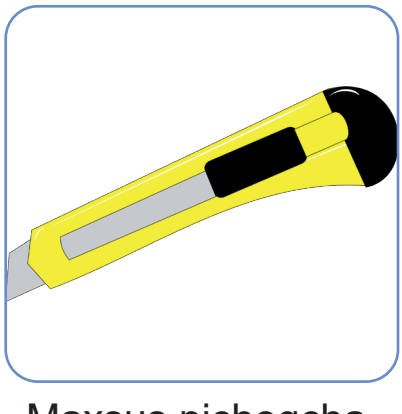
Chizg‘ich



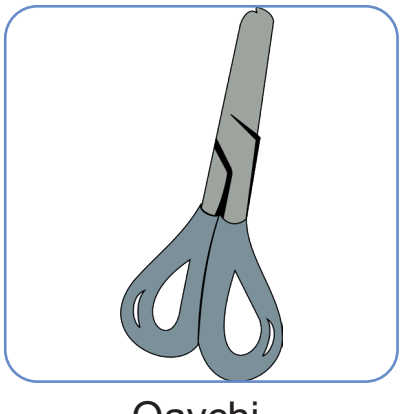
Sirkul



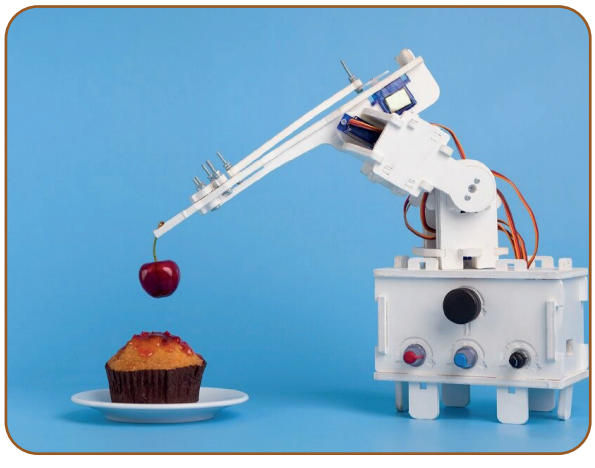
Bigiz



Maxsus pichoqcha



Qaychi





Robototexnikada bajariladigan ishlarni o‘rganib chiqing.

Robotlar nima uchun kerak?

Texnologik vositalardan namunalar













BOB I

ISH ANJOMLARIDAN FOYDALANISH QOIDALARI

QAYCHIDAN FOYDALANISH QOIDALARI

1. Qaychini belgilangan joyda, belgilangan holatda saqlang.
2. Qaychining uchini yuqoriga qaratib ushlamang.
3. Qaychini ishlatib bo‘lgandan so‘ng, ochiq holda qoldirmang.
4. Qaychini yurib turganingizda ishlatmang.
5. Qaychini faqat yopilgan holda uchidan ushlab o‘rtog‘ingizga uzating.
6. Qaychini ishlatayotganda qirqish chizig‘i yo‘nalishini hamda materialni ushlab turgan chap qo‘l barmoqlarini kuzatib turing.
7. Yaroqsiz qaychini ishlatmang, uni o‘qituvchingizga topshiring.

BIGIZDAN FOYDALANISH QOIDALARI

1. Bigiz bilan ishlaganingizda ustozingiz yoki ota-onangiz ko‘magiga tayaning.
2. Bigizni o‘rinsiz ishlatmang.
3. Sirti silliq va sirpanchiq bo‘lgan qattiq buyumlarni bigiz bilan teshmang.
4. Teshiladigan buyumni qo‘lingizda ushlamang,uni stol, taglik ustiga qo‘yib teshing.

MAXSUS ISH PICHOG‘I BILAN ISHLASH QOIDALARI

1. Maxsus pichoqdan o‘qituvchingiz yordamida foydalaning.
2. Maxsus pichoqni o‘qituvchi ko‘rsatganidek ishlating, kesayotganda qattiq bosmang.

IGNA BILAN ISHLASH QOIDALARI

1. Ignani ishlatib bo‘lgach, maxsus yostiqchaga sanchib qo‘ying.
2. Ignani hech qachon og‘zingizga solmang.
3. Ortiqcha ignalarni maxsus igna idishda saqlang.

II BOB. TEXNIK KONSTRUKSIYALASH VA MODELLASHTIRISH

3-dars



“Daraxtlarning kuzgi ko‘rinishi” mavzusida hajmdor applikatsiya tayyorlash

4-dars



“Kuzgi gullar”. Urug‘lardan gullar shaklini yasash

5-dars



“Poliz ekinlari”. Urug‘lardan qovoq shaklini yasash

6-dars



Tabiiy materiallardan hayvonlar shaklini yasash

7-dars



Mozaika usulida ertak qahramonlarini yasash

8-dars



Nazorat ishi–1. Oltin baliqcha shaklini yasash

9-dars



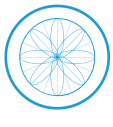
Qog‘ozdan applikatsiya usulida naqsh yasash

10-dars



Hajmdor applikatsiya usulida toshbaqa va chumchuq shaklini yasash

11–12-darslar



Kvilling – cheksiz fantaziya. Kvilling usulida gullar, hayvonlar, parrandalar va boshqa shakllar yasash

3-dars

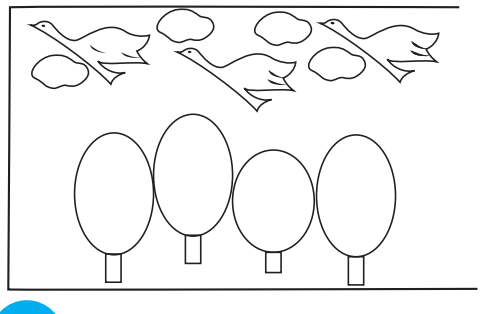
“DARAXTLARNING KUZGI KO‘RINISHI” MAVZUSIDA HAJMDOR APPLIKATSIYA TAYYORLASH



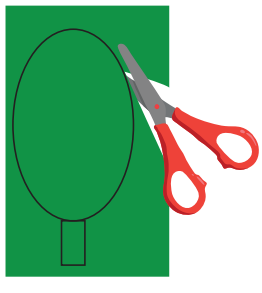
Eslab qoling

Mevali daraxtlar ekilgan maydon “bog‘” deb ataladi. Mevasiz daraxtlar o‘sadigan maydon esa o‘rmon hisoblanadi.

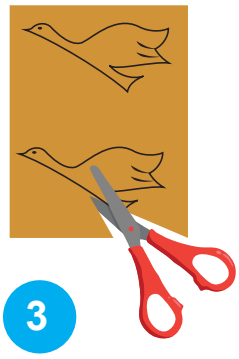
Qog‘ozdan kuz fasli manzarasini birgalikda yasaymiz



1



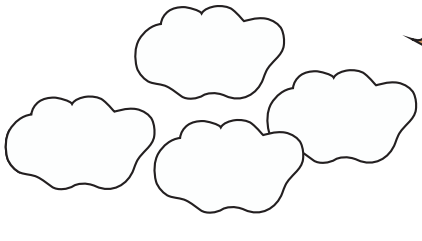
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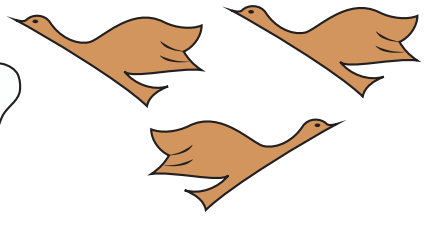
3



4

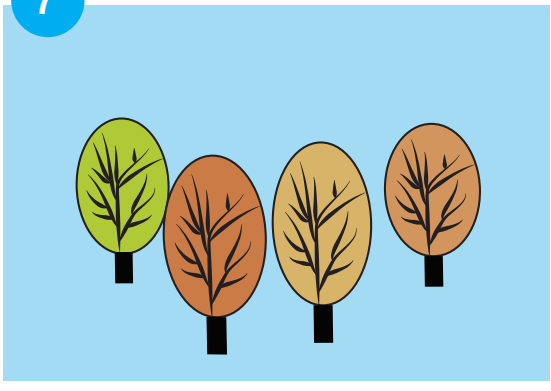


5



6

7



8



9



10



Tabiat manzarasini applikatsiya usulida mustaqil yasang.





O‘rmonchi

O‘rmonchi o‘rmon tabiatini muhofaza qiluvchi kasb egasidir. O‘rmonchining vazifasi daraxtlarni qo‘riqlash va ularda yashovchi hayvonot dunyosini avaylab-asrash, ko‘paytirishdan iborat.

O‘rmonlar Yer sharining o‘pkasi hisoblanadi va tirik jonzotlar nafas olishi uchun kislorod ishlab chiqaradi. O‘rmon daraxtlaridan yog‘och mahsulotlari tayyorlanadi, ular asosan uy-joy qurilishida, mebel yasashda ishlatiladi.

Eslab qoling

O‘rmonchi bilar, o‘rmon –
Sof havo, dardga darmon,
Taxta, yelim-u qog‘oz
Hamda boylik beqiyos.

Duradgor

Yog‘ochga ishlov beruvchi hunar egasi. Duradgorlar xalq orasida qadimdan hurmat qozongan, chunki hamisha el xizmatida bo‘lishgan.





Kuz faslidagi barglardan kompozitsiya tuzing.
Ish boshlashdan oldin barglarni tozalab va quritib oling.





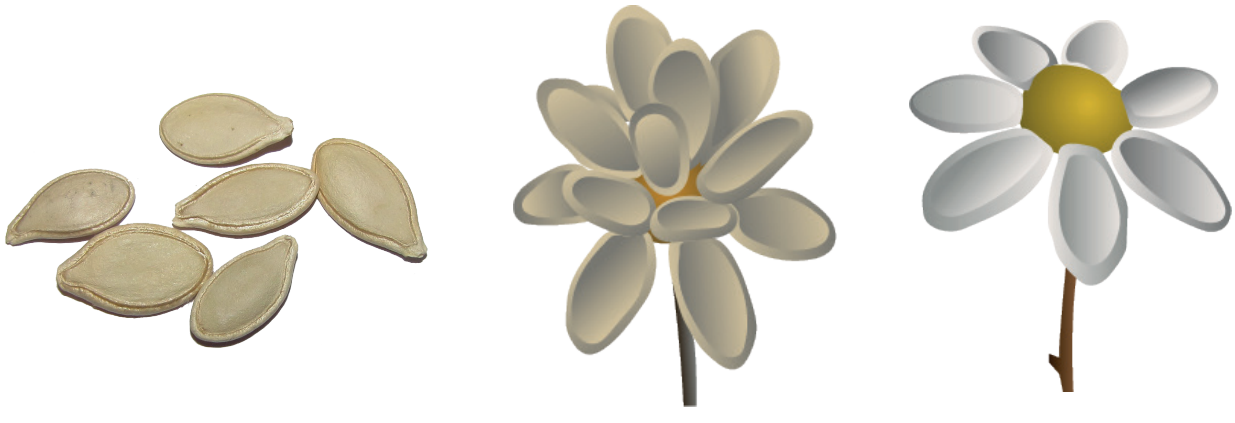


4-dars

“KUZGI GULLAR”. URUG‘LARDAN GULLAR SHAKLINI YASASH

Kerakli jihozlar:

qaychi, yelim, turli daraxt barglari va urug‘lari.



Urug‘lardan ketma-ketlikda gul shaklini yasang.





Savol

Kuz faslida barcha poliz ekinlari yig‘ishtiriladi. Ularni yetishtiruvchi kasb egasi nomini bilasizmi?

Kasb-hunar egalari nomini toping.

f	a	s	f	sh	s	a
p	d	e	h	q	o	n
s	d	s	f	d	p	d
a	g	u	l	ch	i	p
f	d	f	sh	p	sh	s
p	a	sh	d	f	a	f

Kuz faslida pishadigan meva turlarini sanab bering.

MEHNAT

Mehnat qilsa ustasi gar,
Qochar undan tanbal har gal,
Mehnat – rohat, bilsang agar,
Ko‘ngildan u bo‘lsa har gal.

D. Iqoniy

5-dars

“POLIZ EKINLARI”. URUG‘LARDAN QOVOQ SHAKLINI YASASH





Urug‘lardan qovoq shaklini yasab ko‘ring





Urug‘lardan qovoq shaklini yasang

Qovoq inson salomatligi uchun zarur mahsulot hisoblanadi.

6-dars

TABIIY MATERIALLARDAN HAYVONLAR SHAKLINI YASASH

Kerakli jihozlar:

qaychi, barg, yelim, qalam va chizg‘ich.



Barglardan turli hayvonlar va parrandalar shaklini yasang.



Ixtiolog suvosti dunyosini o‘rganadi.

Baliqlar turin qiyos
Qiladi baliqshunos.
O‘tkazadi tadqiqot,
Yig‘ar ko‘plab ma’lumot.

Barin xulosa qilar,
Baliq haqida bilar:
Eng noyob turlarini,
Harakat sirlarini.

Suv saltanati ichra
Qayda qay turi uchrar.
Qayga yo‘nalar to‘da
Va qaydan suzib o‘tar –

K. Turdiyeva

Barglardan akvariumdagi baliq kompozitsiyasini yasang



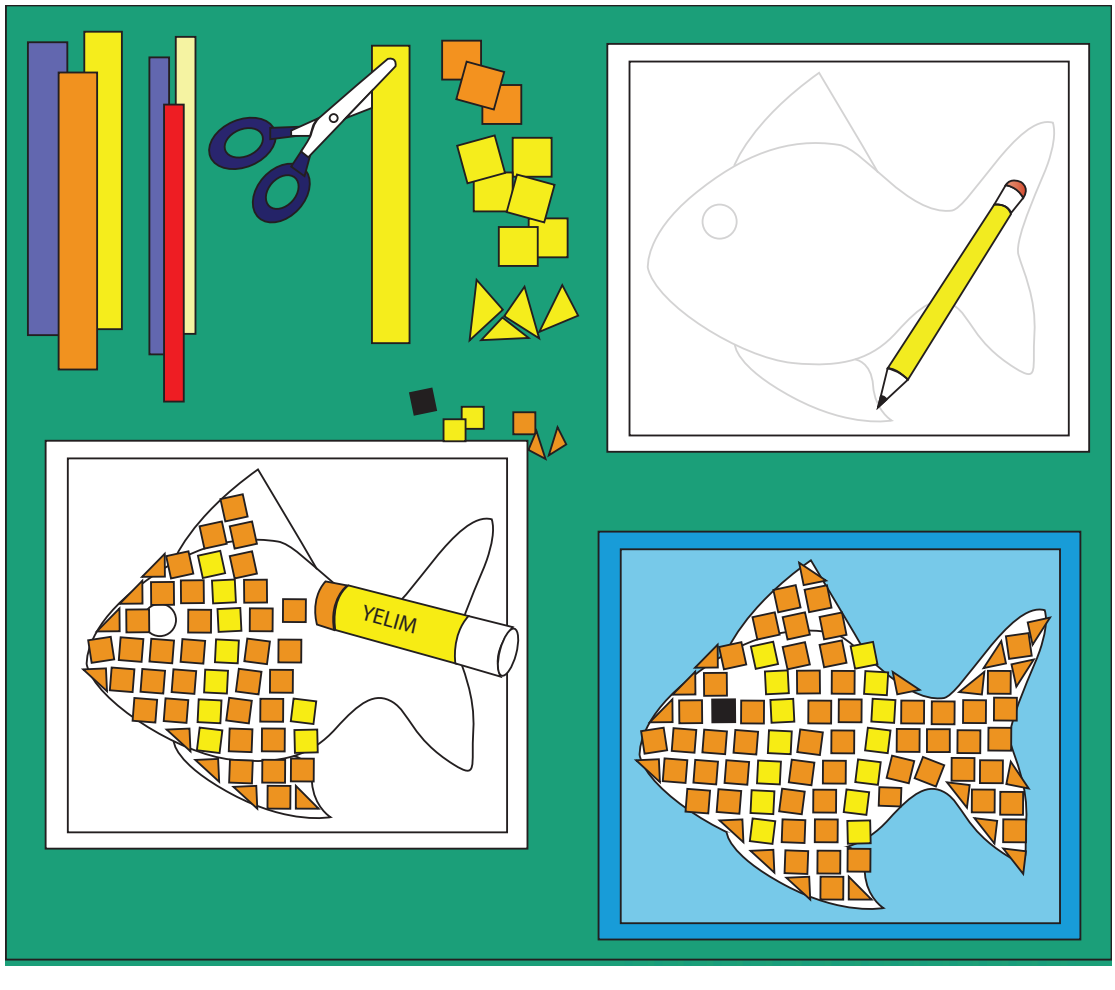
7-dars

MOZAIKA USULIDA ERTAK QAHRAMONLARI TASVIRINI YASASH

Kerakli jihozlar:

qalam, yelim, sirkul, qog‘oz, qaychi.

Mozaika usulida bajaring va hayvonlar ishtirok etgan ertaklarni so‘zlab bering.



8-dars

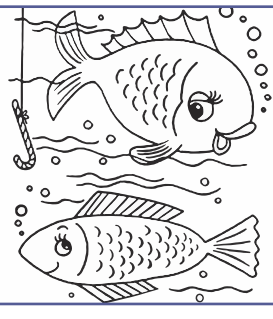
NAZORAT ISHI—1. OLTIN BALIQCHA SHAKLINI YASASH

Kerakli jihozlar:

toshlar, karton, yelim, akvarel bo‘yoq, mo‘yqalam.

Baliq tasvirini chizishdan avval toshlarni suvda qaynatib, tozalab oling.





Tozalangan toshlarga baliqchalar tasvirini chizing.





Toshlardan hayvonlar shaklini mustaqil yasang.





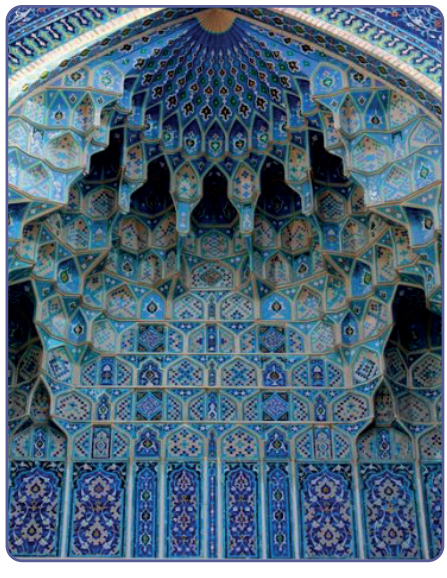


9-dars

APPLIKATSIYA USULIDA QOG‘OZDAN NAQSH YASASH

Ganchkorlik kasbi

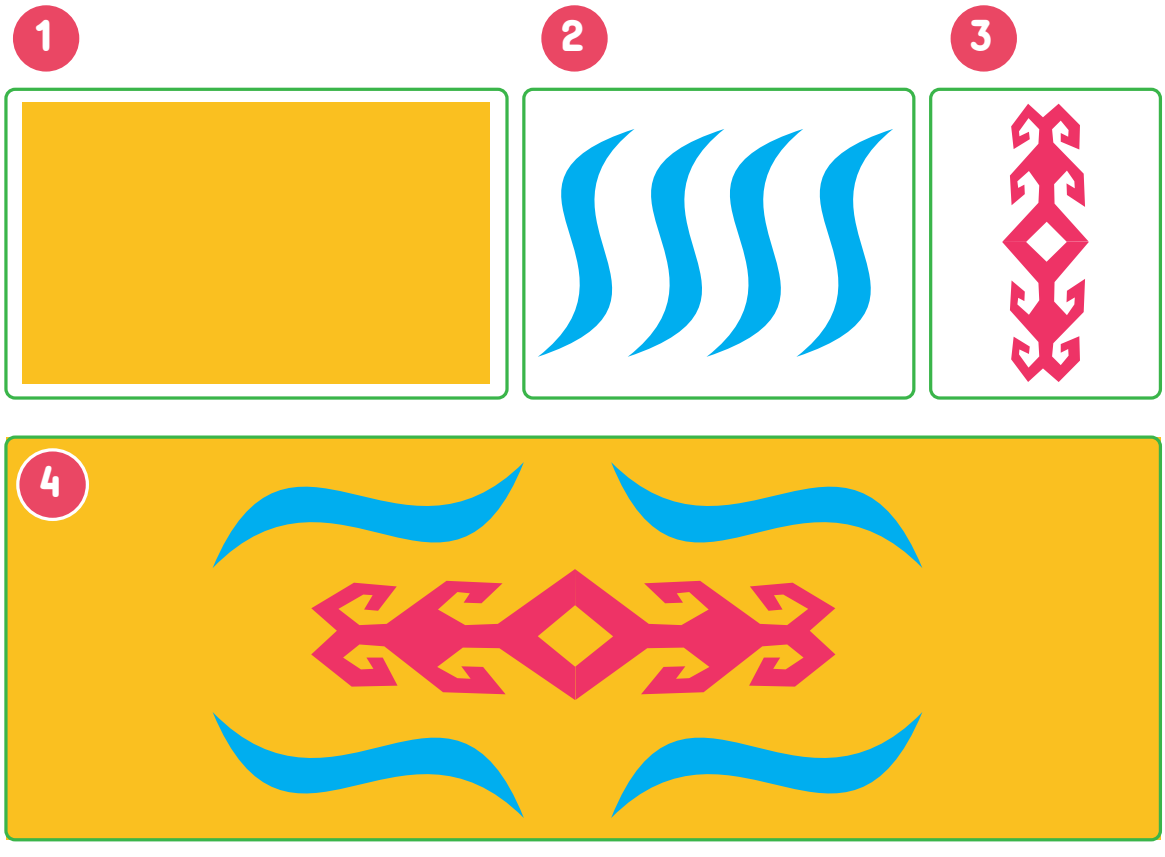
Ganchkor – hashamatli bino, saroy, inshootlar devor va shiftlariga ganch (gips va alebastr) bilan turli shakllarda naqsh soluvchi usta.

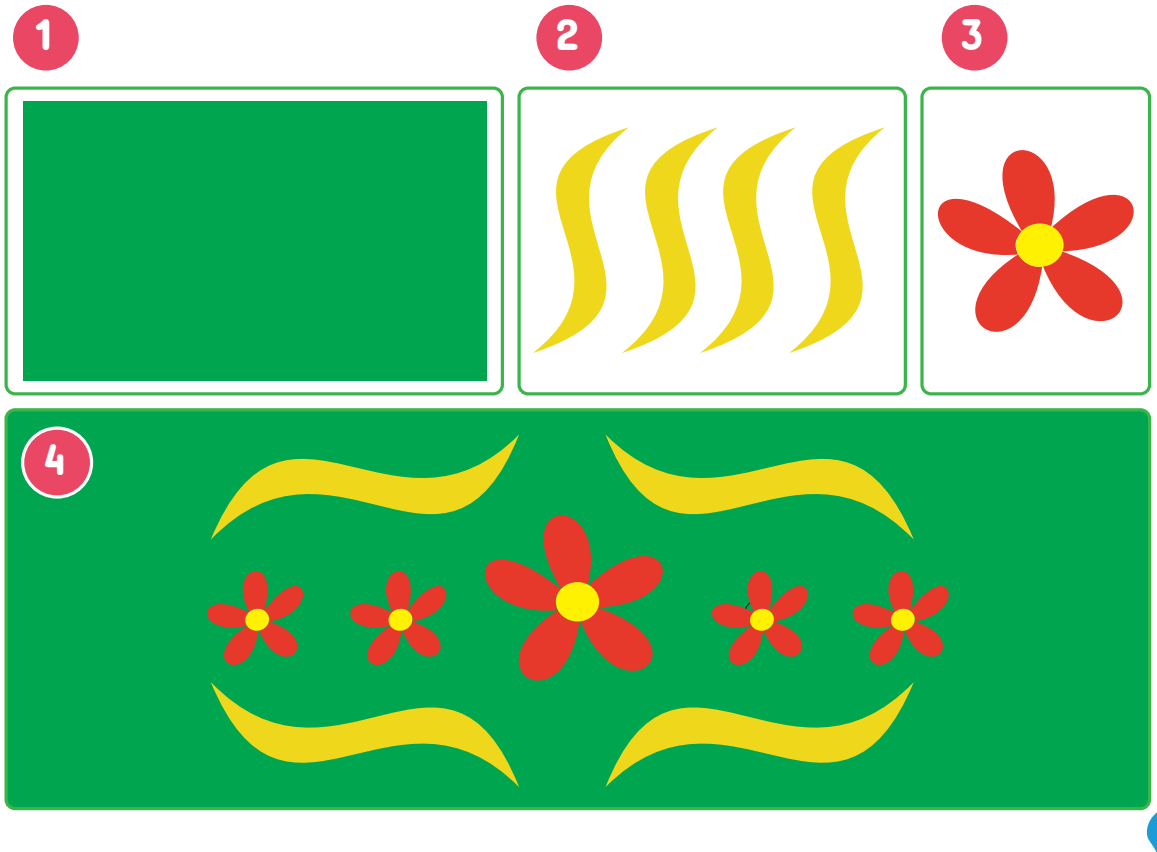


Toshkent, Samarqand, Buxoro, Xorazm shaharlaridagi go‘zal tarixiy binolarga berilgan bezaklar ganchkor ustalarimizning ijod mahsulidir.



Ranglarni to‘g‘ri tanlang va ketma-ketlikda bajaring.







Yog‘ochga o‘yiladi,
Devorga qo‘yiladi.
Ganchni ko‘rgach, albatta,
Hamma tushar hayratga.

Go‘zallik taratuvchi,
Naqshlar yaratuvchi
Ganchkor ishiga usta,
Naqshlari nafis tusda.

K. Turdiyeva

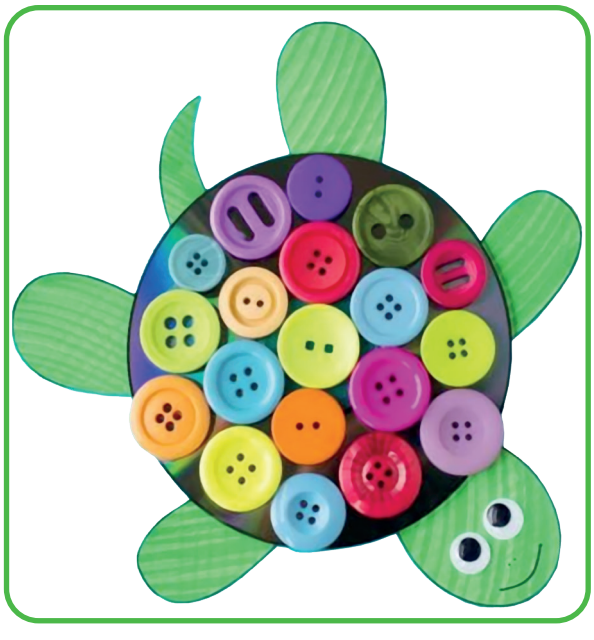
10-dars

HAJMDOR APPLIKATSIYA USULIDA TOSHBAQA VA CHUMCHUQ SHAKLINI YASASH

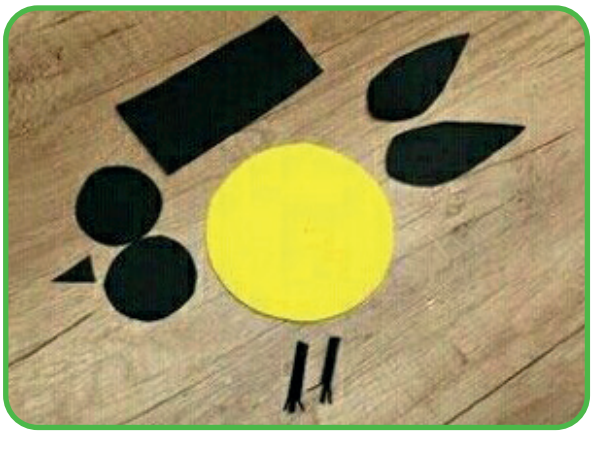
Kerakli jihozlar:

rangli qog‘oz, tugma, yelim, qaychi, CD disk.





Turli materiallardan qushcha shaklini yasang.





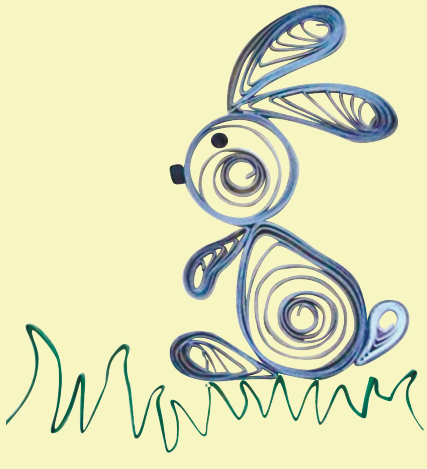
BOB II

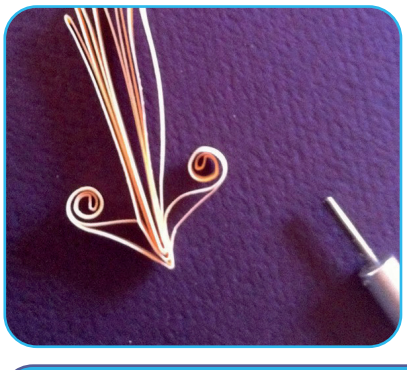
11–12-darslar

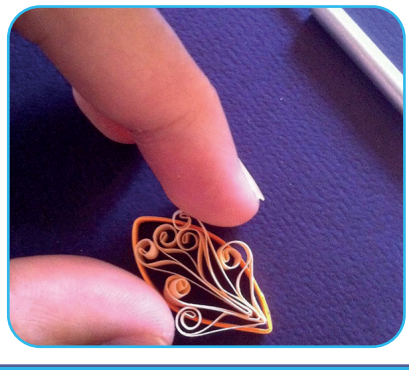
KVILLING – CHEKSIZ FANTAZIYA. KVILLING USULIDA GULLAR, HAYVONLAR, PARRANDALAR VA BOSHQA SHAKLLAR YASASH

Ranglarni to‘g‘ri tanlashga harakat qiling.

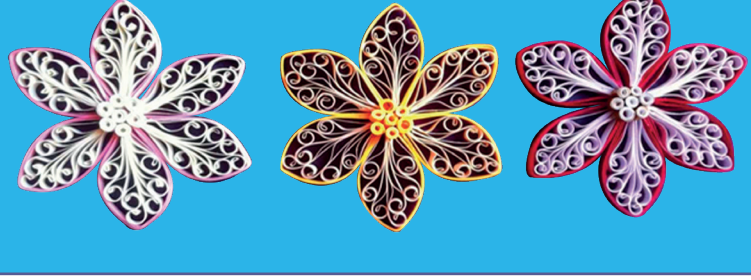












III BOB. QOG‘OZ VA KARTON BILAN ISHLASH

13-dars



Qog‘ozni modellashtirish va hajmdor panda shaklini yasash

14-dars



Suvosti saltanati. Hajmdor applikatsiya usulida akvarium yasash. Jamoa ishi

15-dars



Nazorat ishi–2. Yangi yil bayramiga taxlamali tabriknoma tayyorlash

16-dars



Bayram uchun niqob tayyorlash

17–18-darslar



Hunarmand usta. G‘oya va ixtiro

19-dars



Uy jihozlari shaklini yasash va kompozitsiya tuzish

20-dars



Texnologik jarayon va uning bosqichlari

21-dars



O‘lchash va rejalash

22-darslar



Harakatlanuvchi hajmdor o‘yinchoqlar yasash

23–24-dars

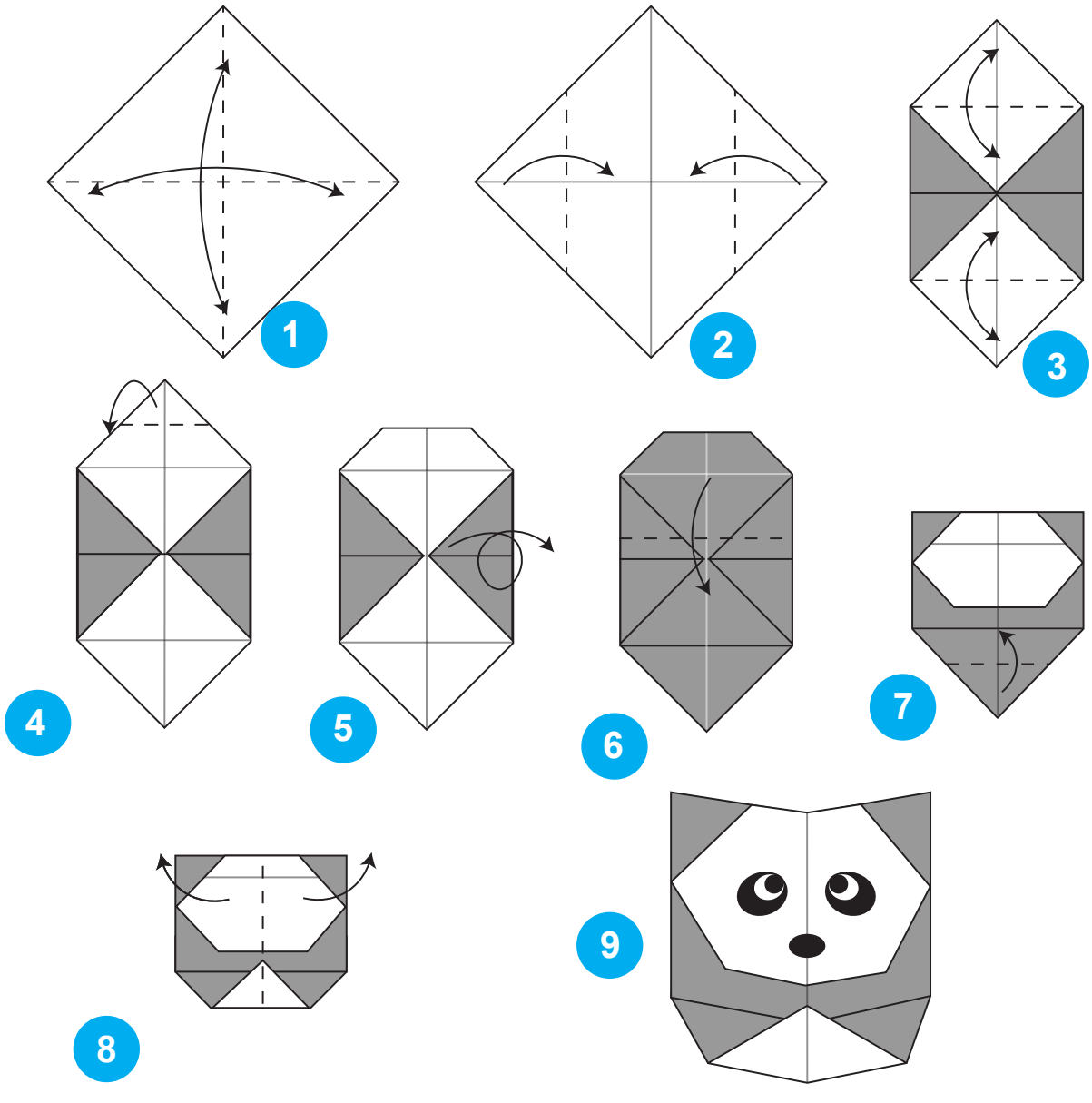


Harakatlanuvchi yuk mashinasini yasash

13-dars

QOG‘OZNI MODELLASHTIRISH VA HAJMDOR PANDA SHAKLINI YASASH

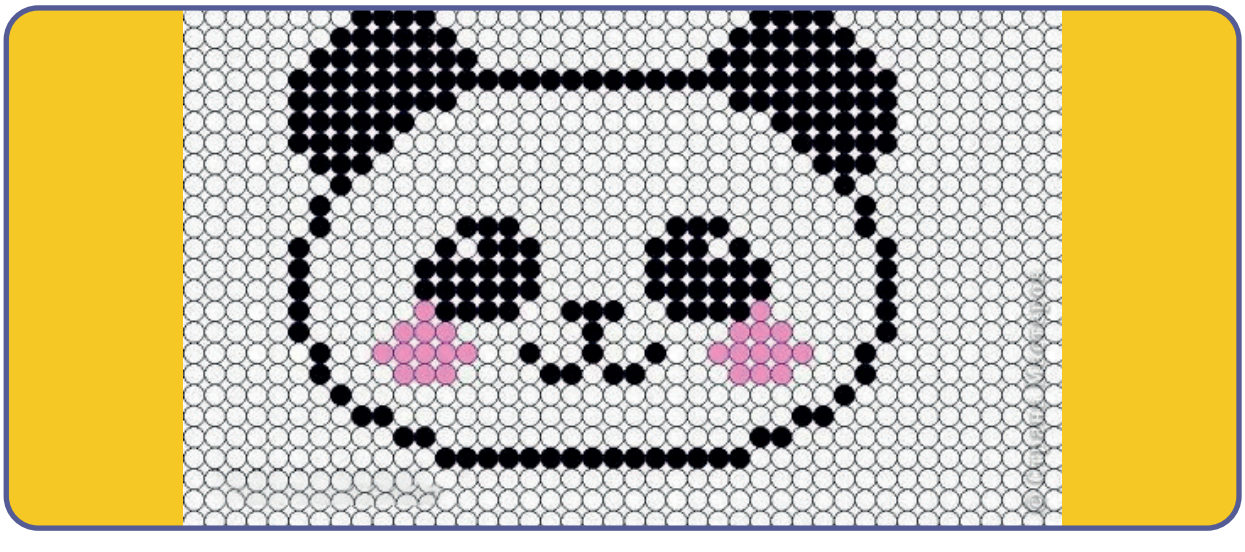
Qog‘ozni buklash usulida bosqichma-bosqich yasang.







Pandani mozaika usulida mustaqil bajaring.



Savol

Hayvonlar xastalanib qolsa, ularni kim davolaydi? (Hayvonlar shifokori.)



She’r

Veterinar ham doktor,
U kelgach, tashvish yo‘qdir:
Jonivorlarni tuzatar,
Sog‘aytirib kuzatar.

K. Turdiyeva

14-dars

SUVOSTI SALTANATI. HAJMDOR APPLIKATSIYA USULIDA AKVARIUM YASASH. JAMOA ISHI

Kerakli jihozlar:

karton, qog‘oz, yelim, qaychi va qalam.

Qog‘ozdan applikatsiya usulida akvarium tayyorlang





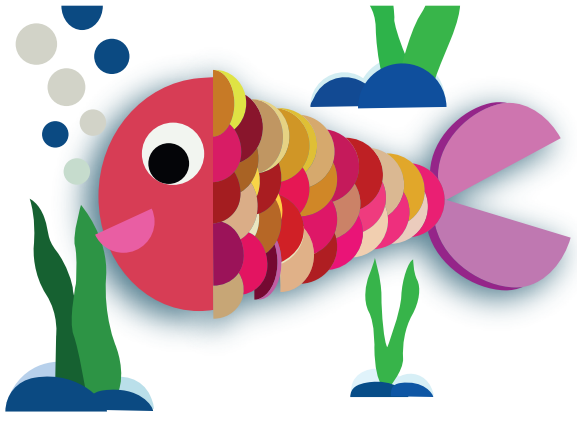


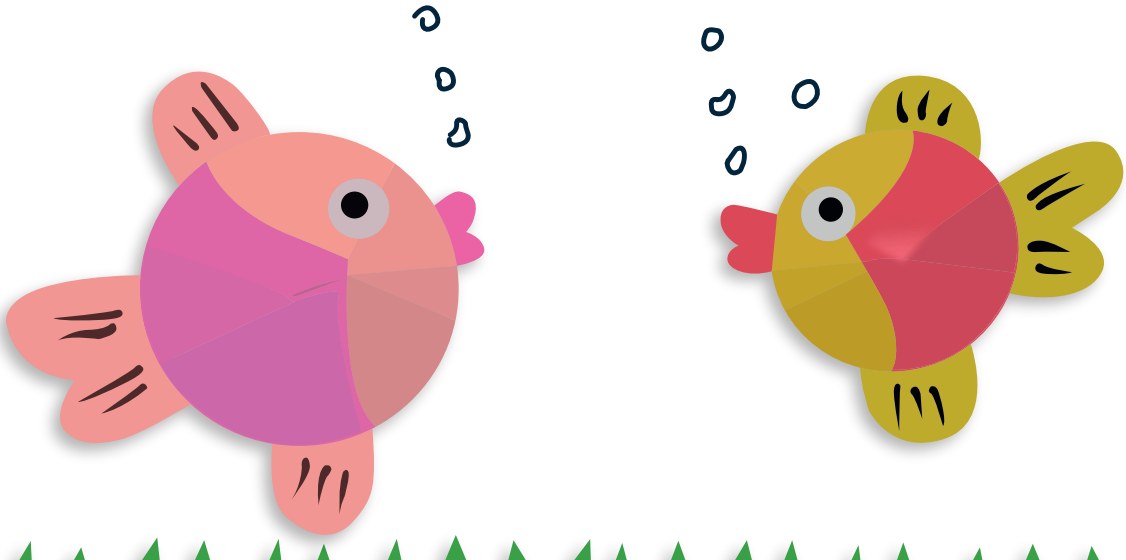
Savol

Qaysi suvosti jonzotlarini bilasiz?
Baliq tutish qaysi kasb egasining ishi?

Mustaqil bajarib ko‘ring







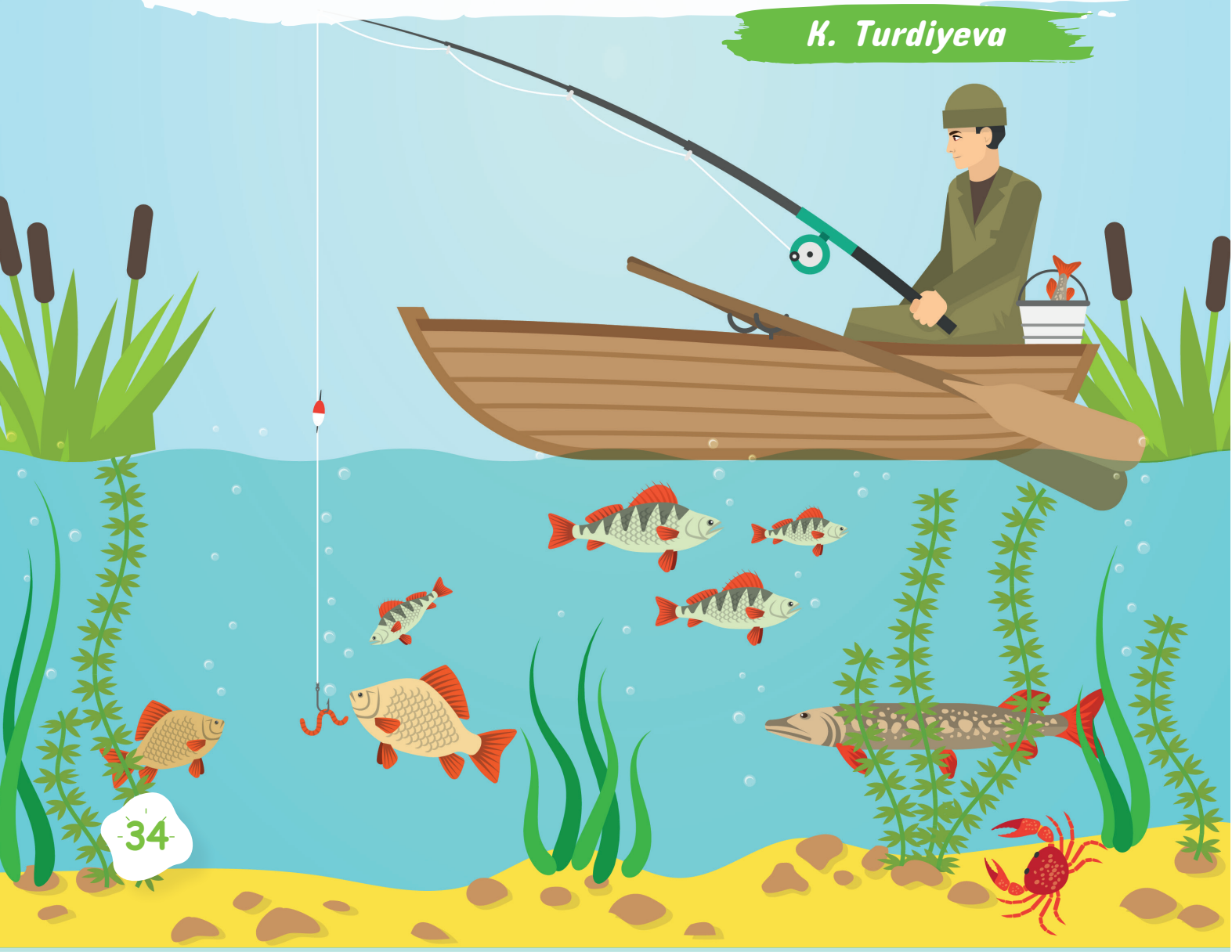
BALIQCHILIK KASBI

Baliqchi baliq mahsulotlarini yetkazib beradi. Baliq inson salomatligi uchun zarur ozuqa mahsuloti hisoblanadi.

Baliqchi fursat kutar,
Baliqchi baliq tutar.
Baliq tutish vaqti bor,
Bunga berar e'tibor.
Tashlar qarmoq yoki to'r
Ov bo'lishi uchun zo'r.

Izlar baliq ko'p joyni:
Daryo, ko'l yoki soyni.
Qayiqda daryo kezar,
Yaxshi ov joyin sezar.
To'rga tushganda baliq,
Qayiqqa solar darrov.

K. Turdiyeva



15-dars

NAZORAT ISHI—2. YANGI YIL BAYRAMIGA TAXLAMALI TABRIKNOMA TAYYORLASH

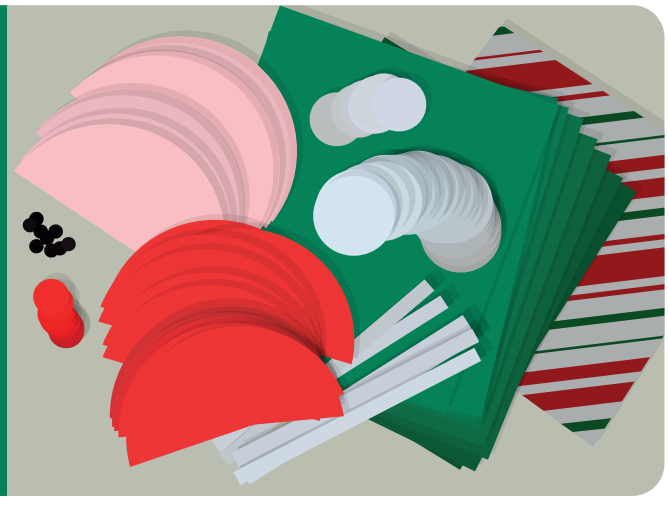
Kerakli jihozlar:

qaychi, yelim, chizg‘ich, sirkul.



Applikatsiya usulida qorbobo shaklini mustaqil yasang.









Qish fasli

Qish faslida sovuq havoda issiq kiyinish, immunitetni mustahkamlovchi tabiiy mevalardan iste'mol qilish tavsiya etiladi.

Aptekachi – farmatsevt,
Qo‘lingda bo‘lsa retsept,
Beradi dorilarni
Va darmondorilarni.
Kerak bo‘lsa maslahat,
Deydi: “Keling, marhamat!”

K. Turdiyeva



Dorishunoslik kasbi haqida

Dorishunos bemor uchun kerakli dorilarni tayyorlaydi, yangi dorilarni yaratadi, ularning shifobaxshligini o‘rganadi. Dorishunoslik kasbi o‘ta mas’uliyatli bo‘lib, chuqur bilimga ega bo‘lishni talab etadi.

Dorilar nomini toping.

r	s	k	m	r	k	s
m	b	r	b	m	b	m
a	n	a	l	g	i	n
b	z	b	s	z	r	b
a	s	p	i	r	i	n
z	d	r	z	d	z	d
b	s	z	b	s	r	s

16-dars

BAYRAM UCHUN NIQOB TAYYORLASH

Kerakli jihozlar:

qog‘oz, karton, yelim, qaychi, sirkul.

1



2



3



4





Olib fotoapparat,
Qilib chaqqon harakat,
Suratkash surat olar,
U esdalikka qolar.
Deydi: “Qilinglar diqqat,
Chiroyli chiqsin surat!”

K. Turdiyeva

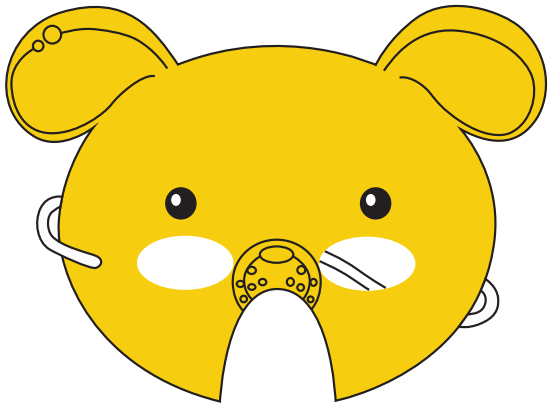
Yashiringan kasb nomini izlab toping

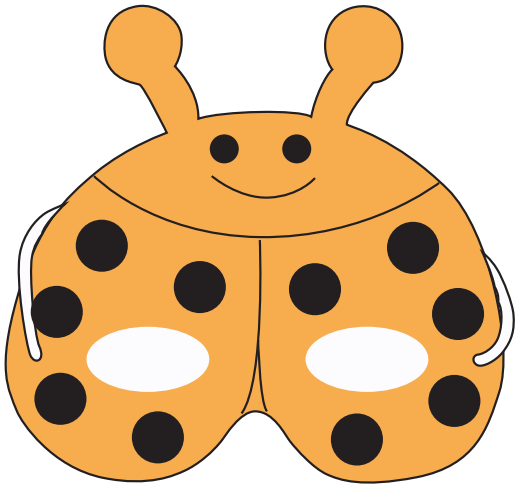
o	l	s	t	a	f	sh	yu	x
t	k	y	ya	k	s	g	l	o
s	u	r	a	t	k	a	sh	a
o	l	s	t	a	f	sh	yu	x

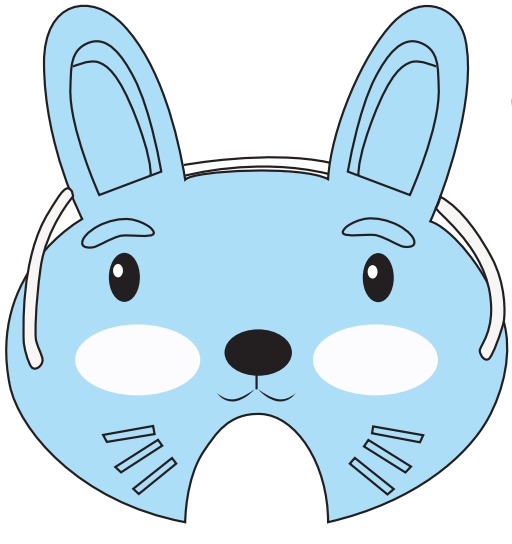
Niqob turlari

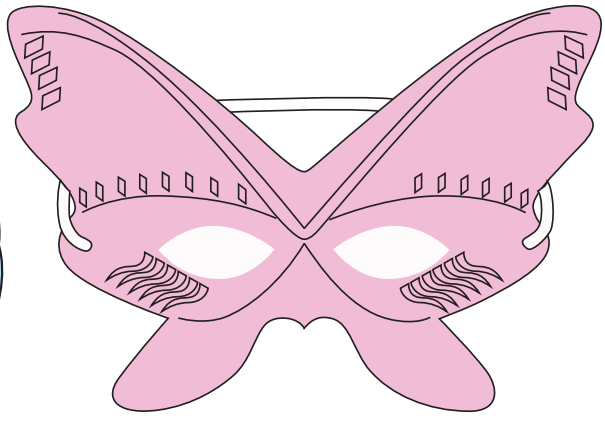


Niqob rasmini chizib olgach, uni qirqib chiqing









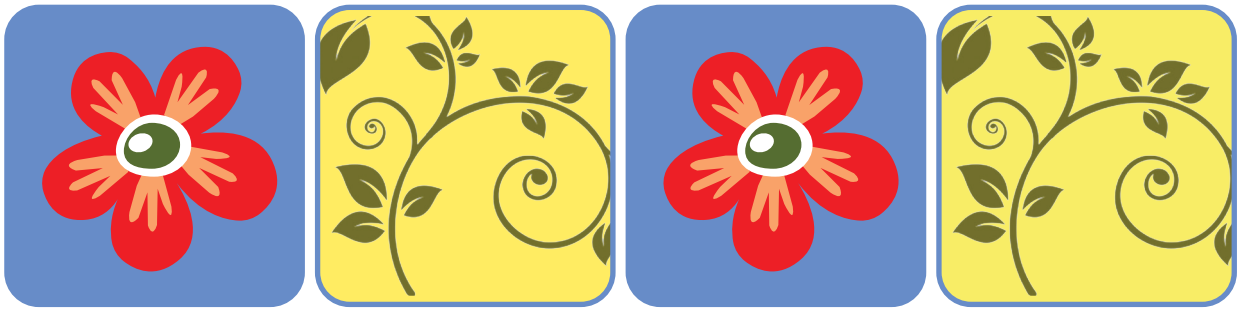


Savol

Niqoblar qaysi hayvonlarga mos keladi?

17–18-darslar

HUNARMAND USTA. G‘OYA VA IXTIRO



Hunarmandlar ishi ko‘rinishida kompozitsiya tuzing.







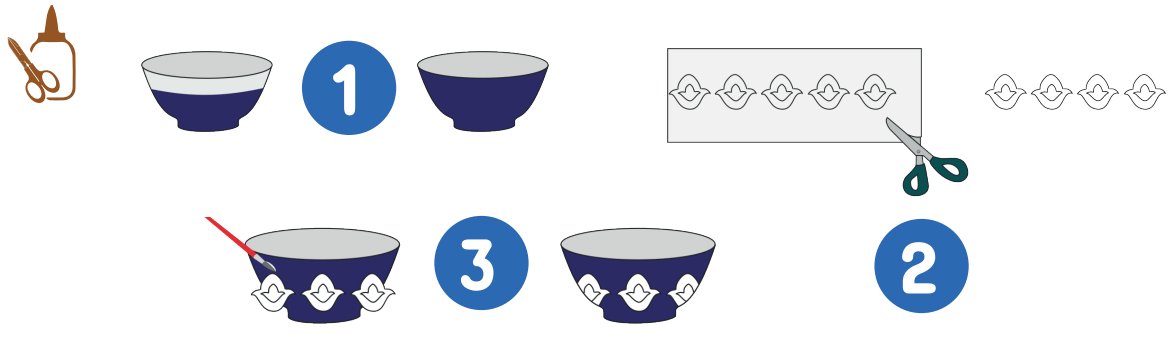


Gullar shaklidan turli bezak ishlarini ixtiro qiling.





Mustaqil bajarib ko‘ring



HUNARMAND USTALARNING ISHLARIDAN NAMUNALAR

Aziz o‘quvchilar! Kelajakda siz ham o‘z ishingizning ustasi bo‘ling.













BOB III

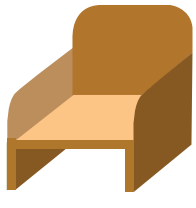
19-dars

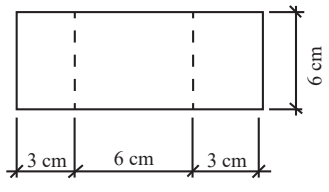
“UY JIHOZLARI” SHAKLINI YASASH VA KOMPOZITSIYA TUZISH

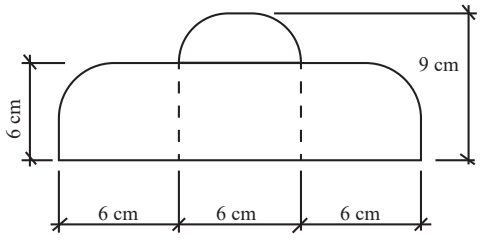
Kerakli jihozlar:

qog‘oz, karton, chizg‘ich va qalam.

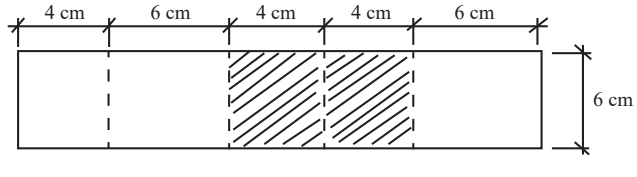
O‘lchamlarni to‘g‘ri oling

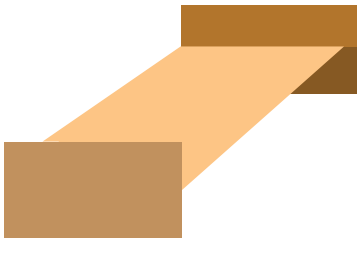


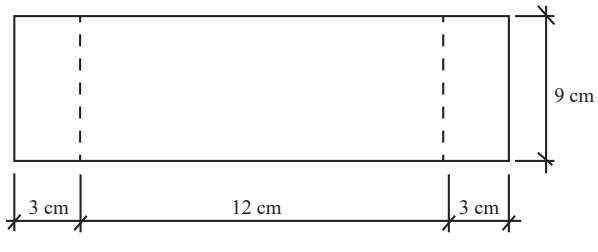










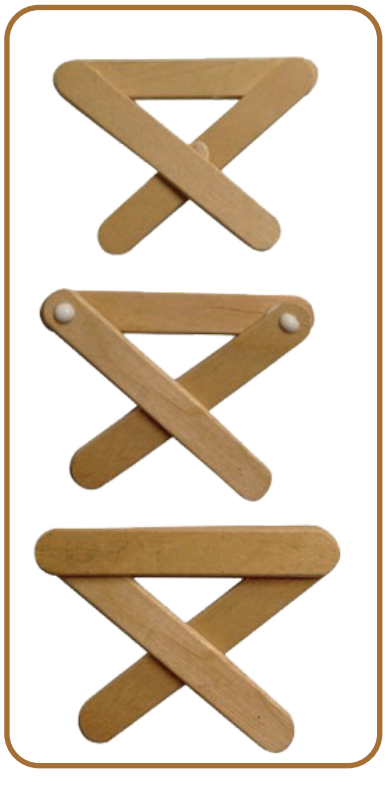


Ish bosqichlarini ketma-ketlikda to‘g‘ri bajaring





2



1



3

Yashiringan anjomlar nomini toping

N	D	A	A	R
R	A	A	R	D

Duradgor qoqadi pol,
Yasar eshik, rom darhol.
So‘ng esa yo‘nib taxta,
Yasar zumda xontaxta.

K. Turdiyeva





Duradgor

Duradgor — yog‘ochlarga ishlov beruvchi hunar egasi.

Yashiringan kasb nomini toping.

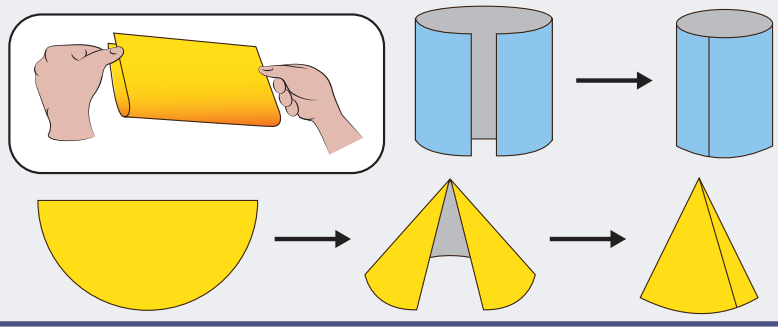
y	g	o	k	r	g	n	ch	z	e
v	d	u	r	a	d	g	o	r	ch
ya	e	ya	e	p	g	p	sh	k	e
v	aa	d	l	e	n	g	a	e	ch
j	sh	k	j	a	r	ch	sh	z	a
v	a	d	ch	e	p	g	u	sh	e

20-dars

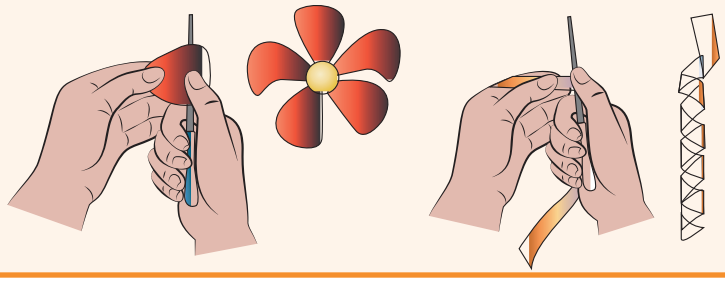
TEXNOLOGIK JARAYON VA UNING BOSQICHLARI

Qog‘ozlarga ishlov berish bosqichlari

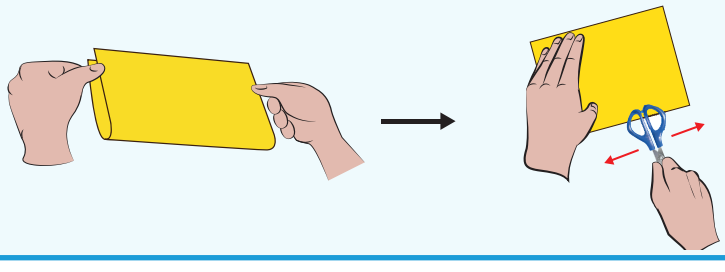
1 Buklash



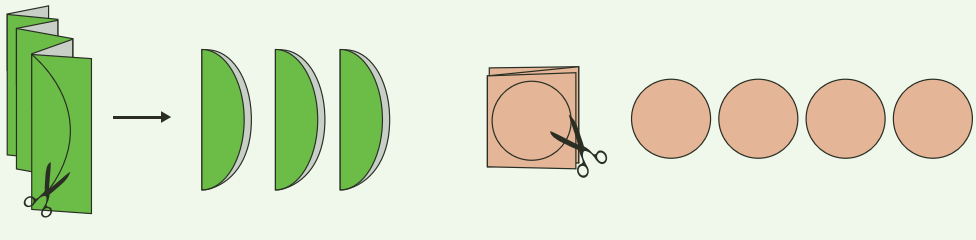
2 Qayirish



3 Taxlash



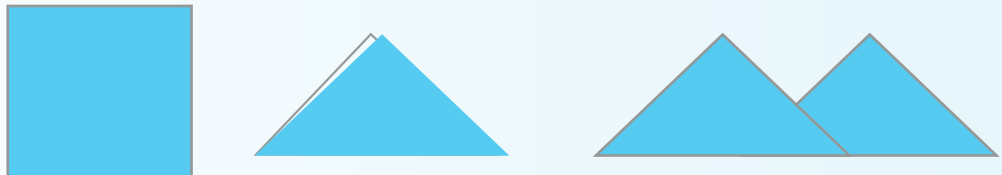
4 Qirqish



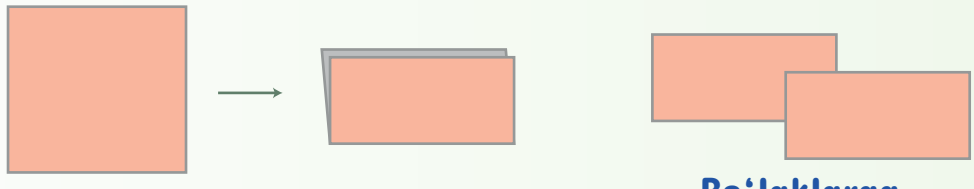
A


Buklash
Bo‘laklarga bo‘lish

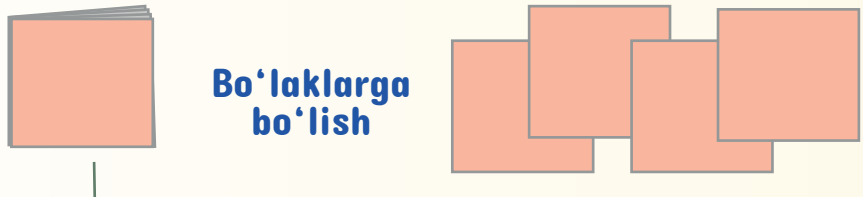
B


Buklash
Bo‘laklarga bo‘lish

D


Buklash
Bo‘laklarga bo‘lish

E

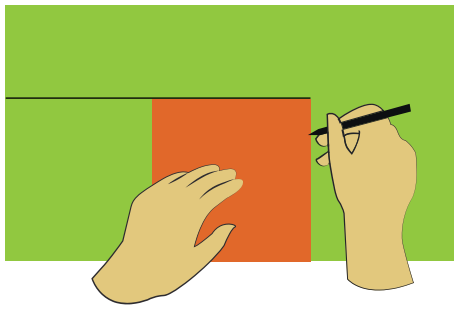

Bo‘laklarga bo‘lish

F

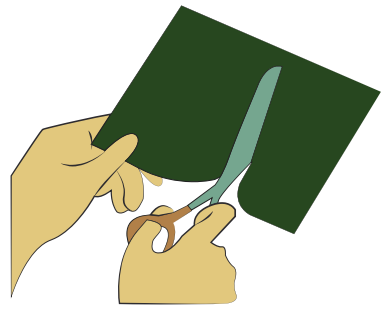

Doira qirqish

G

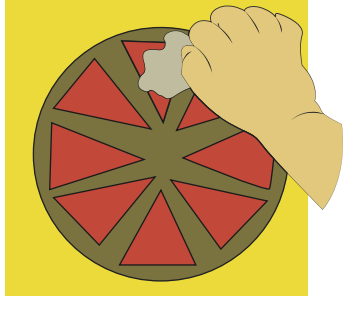

Ish anjomlari



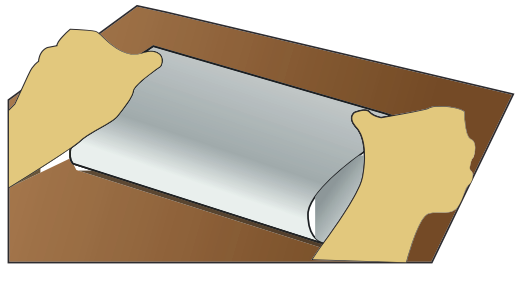
Andaza asosida belgilash



Qaychida qirqish



Yelimlash



Qayirish va buklash

Shakllarning farqini ayting





21-dars O‘LCHASH VA REJALASH

Turli o‘lchov asboblari va anjomlari bilan tanishing



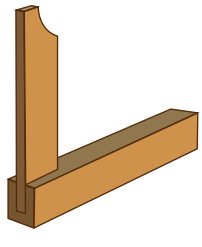
Chizg‘ich, qalam



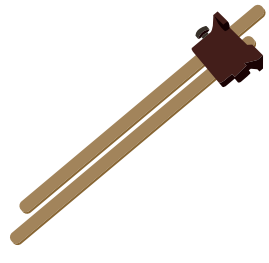
Sirkul



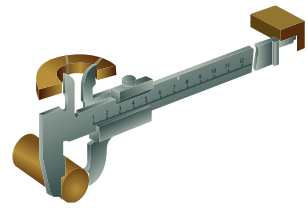
Rolikli metr



Burchak o‘lchagich



Masofa o‘lchagich

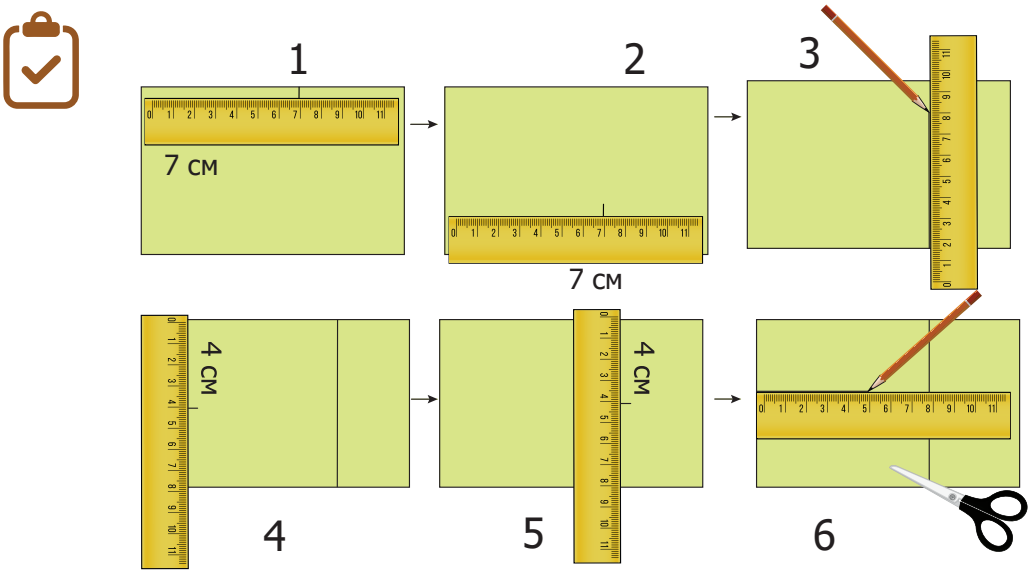


Shtangensirkul

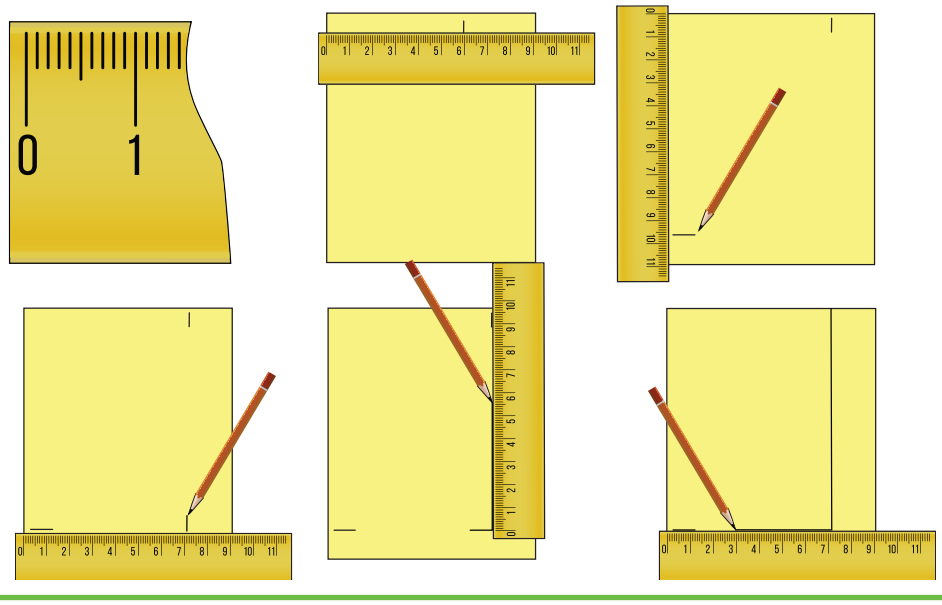
Eslab qoling

Buyum tomonlarini o‘lchash chizg‘ichda nol (0) raqamidan boshlanadi.

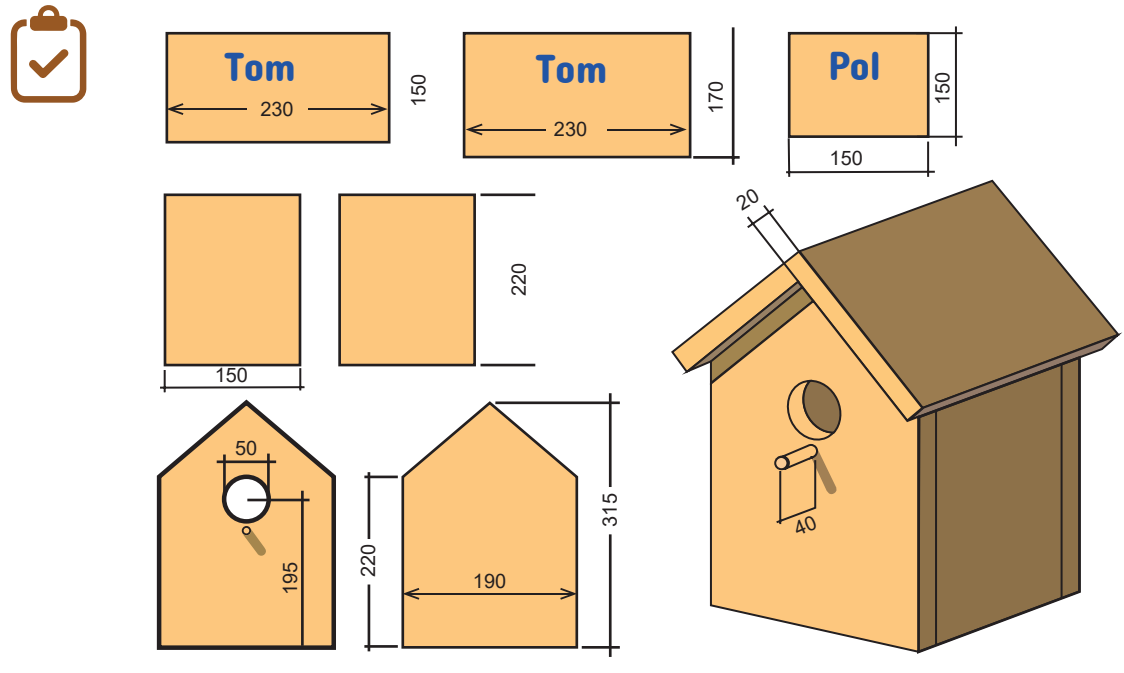
Chizg‘ich yordamida o‘lchash tartibi. Siz ham o‘lchab ko‘ring.



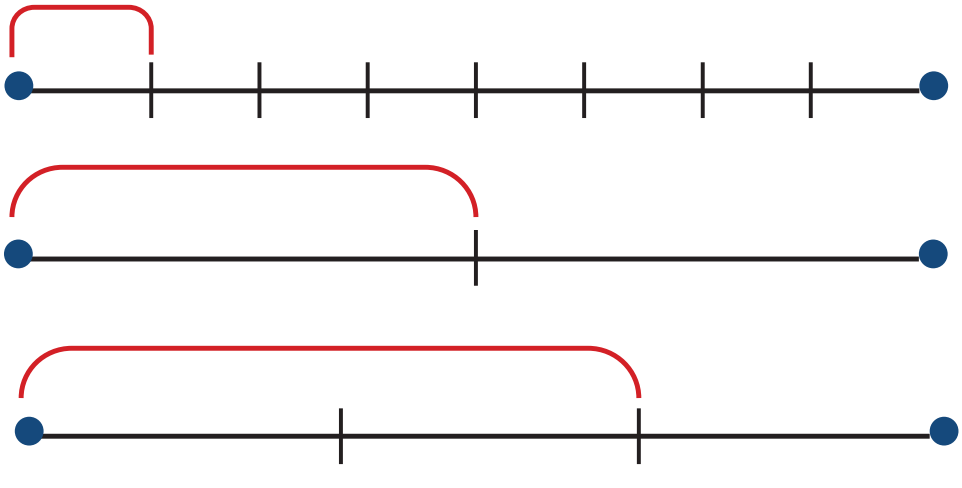
Geometrik shakllar tomonlarini o‘lchang va ularni yasang

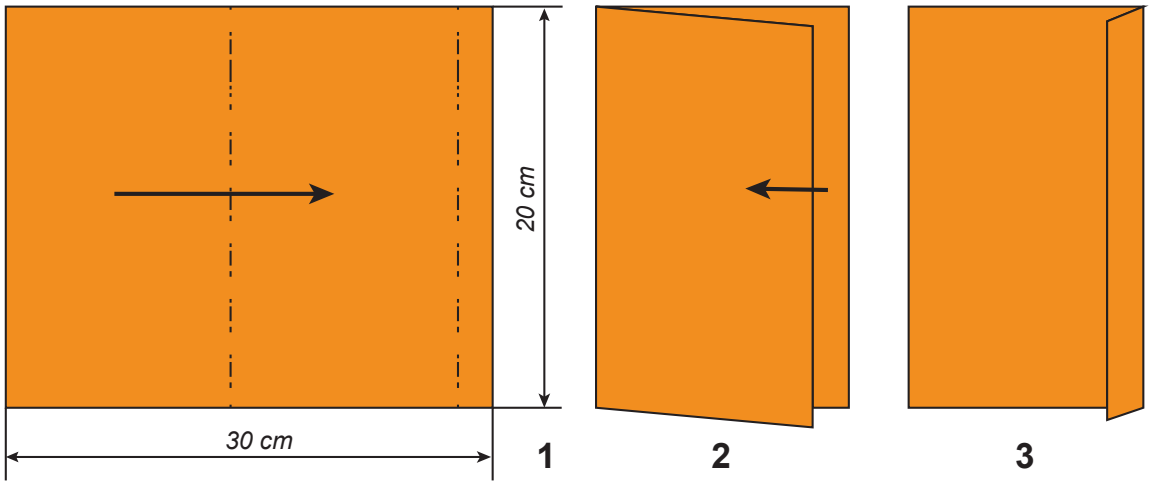


O‘lchamlar asosida uycha yasang

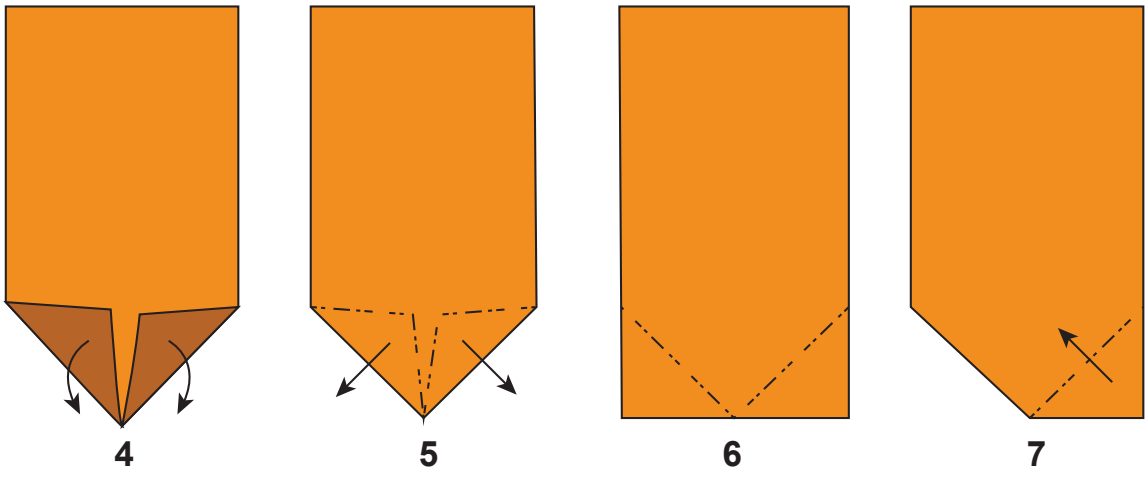


Bo‘laklar orasidagi masofani o‘lchang

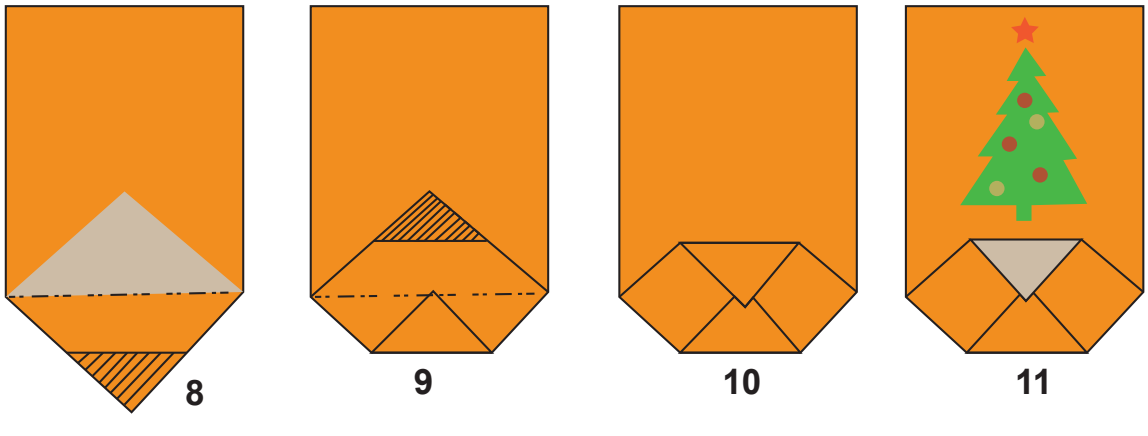




O‘lchashda xato qilmang



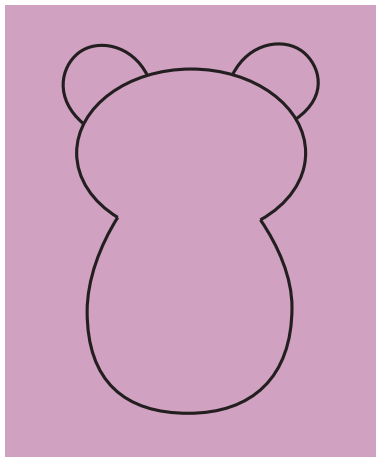
Qog‘oz burchaklarini tekislab buklang



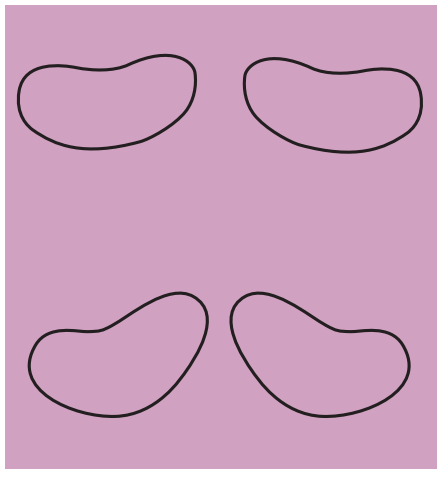
22-dars HARAKATLANUVCHI HAJMDOR O‘YINCHOQLAR YASASH

Karton qog‘ozga ayiqcha qismlarini chizing va qirqib oling.

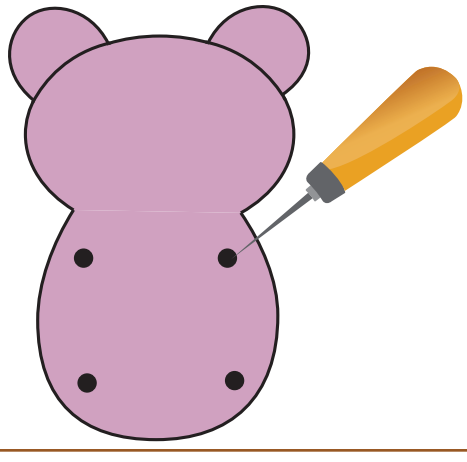
1



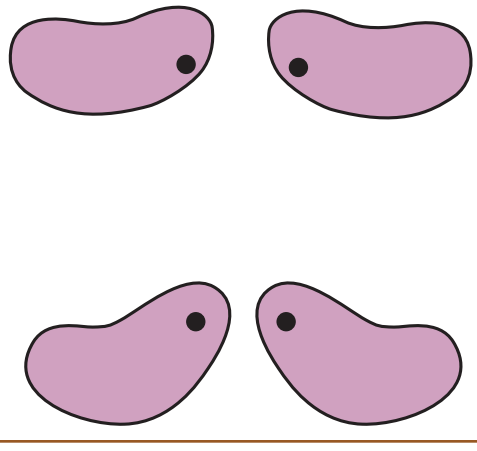
2



3



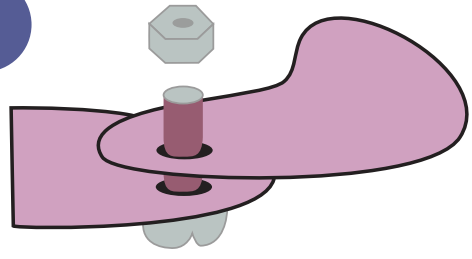
4



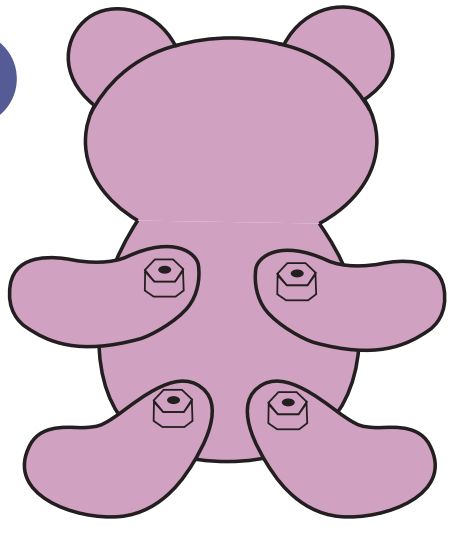
Ayiqcha qismlarini biriktirish o‘rnini o‘qituvchi nazoratida teshib oling.

Ayiqcha qismlarini temir moslamalarda biriktirish tavsiya etiladi.

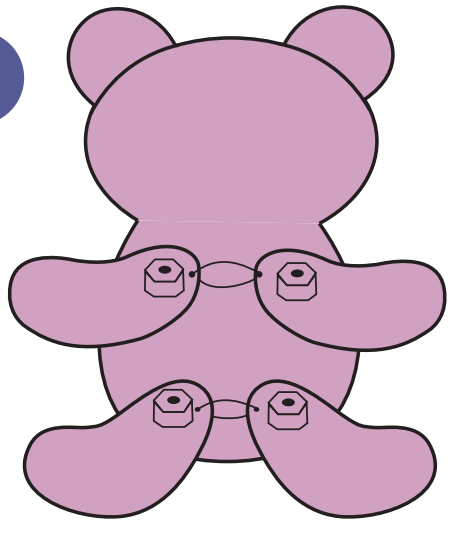
5

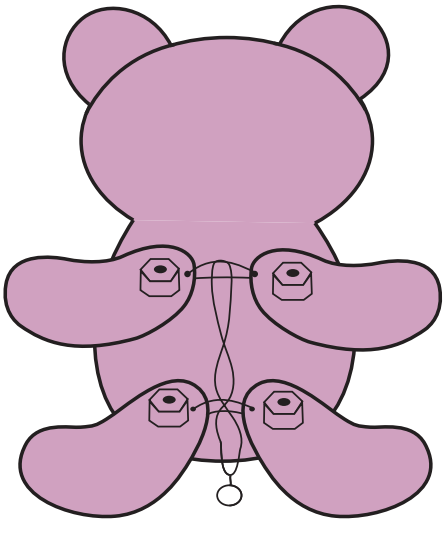


6

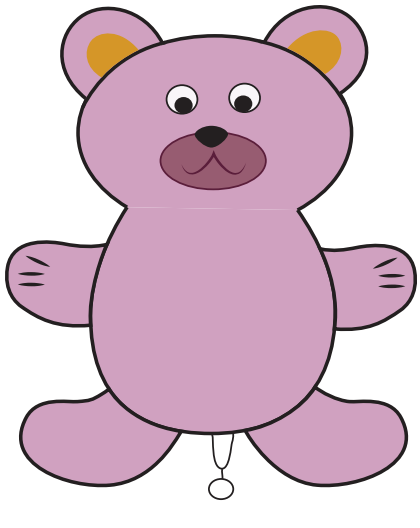


7





8



FERMER KIM, BILASIZMI?

Fermer kim, bilasizmi?
Fermerlar ham tadbirkor,
Ularning fermasi bor.
Quyon, yilqi, mol ferma –
Jonzotlar go‘yo terma.

Fermer g‘amlashi kerak
Bariga don-dun, xashak.
Buzilmasa qoida,
Ishlar bo‘lar joyida.

K. Turdiyeva

Boshqotirma

Harflarni to‘g‘ri joylashtiring va kasb nomini toping.

R	M	E	R	E	F

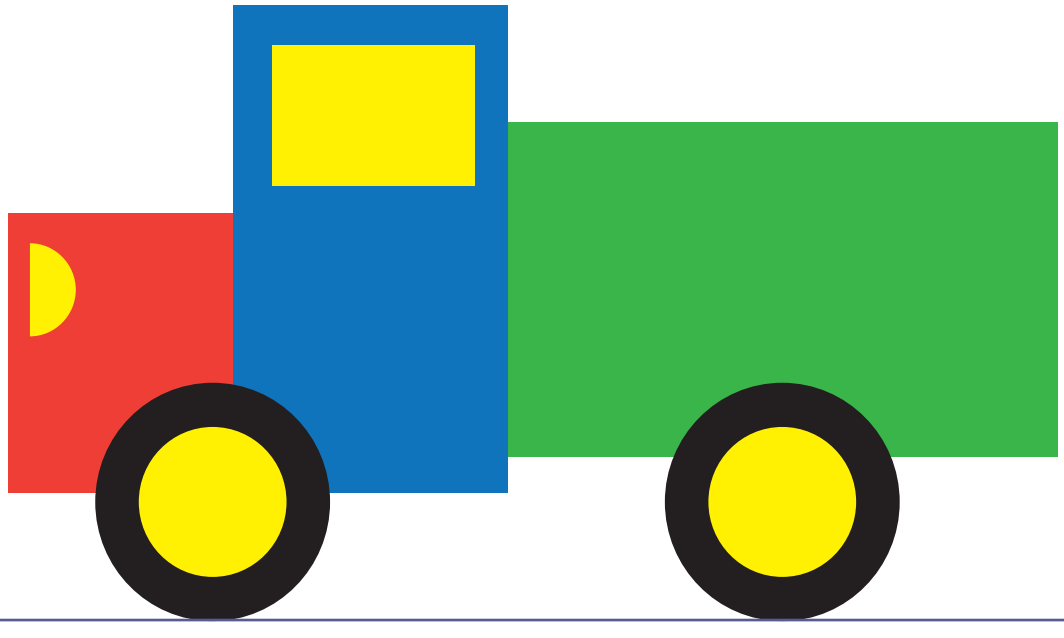


23–24-darslar

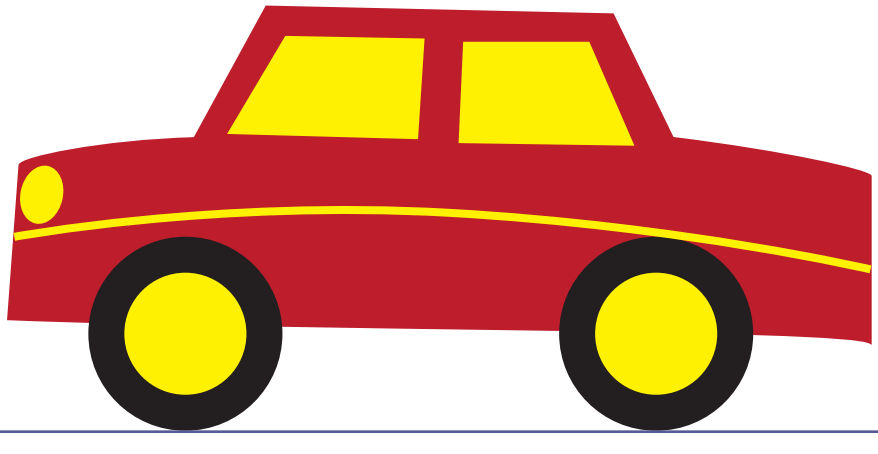
HARAKATLANUVCHI YUK MASHINASINI YASASH

Geometrik figuralardan quyidagi mashina modellarini yasang.

Yuk avtomobili



Yengil avtomobil





Elektr bilan qaysi kasb egalari ishlaydi? (Elektrik.)



Tok

Bo‘lmay qolsa agar tok,
Hammada kayfiyat yo‘q.

Muzlatkich ham muzlatmas,
Radio ham jim, so‘zlamas.

Elektrchi kelgach ammo,
Qolmaydi hech muammo.

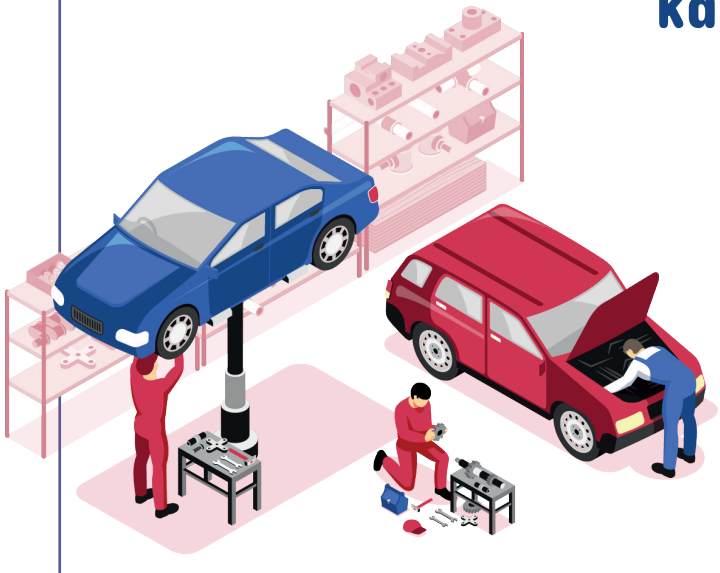
Nuqsonlar tuzatilar,
Tok simdan uzatilar.

K. Turdiyeva

Katakchalar ichida ikkita kasb nomi yozilgan, toping-chi!

a	d	ts	v	g	v	ts	v	j	v
g	o‘	q	i	t	u	v	ch	i	d
j	v	g	v	g	d	j	yu	j	v
v	yu	g	yu	v	j	yu	g	j	d
j	j	d	yu	d	yu	v	j	yu	g
g	e	l	e	k	t	r	i	k	j
d	v	j	d	g	v	yu	g	v	d

Toping-chi, bu qaysi kasb egasi?



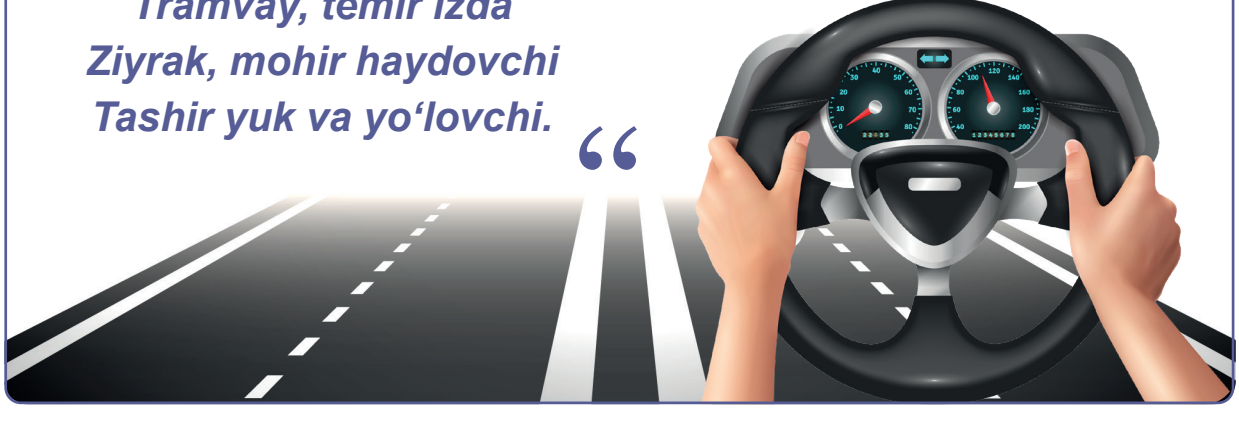
Urilsa avtoulov,
Kim kerak bo‘lar darrov?
Shunday hol yuz bersa gar,
Zarur avtochilangar.
Mashinani rostlar u,
Pachoq joyin sozlar u,
Payvandlanar temirlar,
Bajarilar ta’mirlar.

K. Turdiyeva

Haydovchilik kasbi

Haydovchi erta tongdan kun botgunga qadar, zarur bo‘lsa, kechalari ham odamlarga xizmat qiladi. Haydovchilik kasbi doim ziyrak va hushyor bo‘lishni talab etadi. Haydovchi mashina, avtobus, tramvay, yuk mashinalarini boshqaradi.

Mashinada, poyezdda,
Tramvay, temir izda
Ziyrak, mohir haydovchi
Tashir yuk va yo‘lovchi.



BOB IV

IV BOB. TABIIY VA TURLI MATERIALLAR BILAN ISHLASH

25-dars



Qog‘ozdan velosiped maketini yasash

26-dars



Nazorat ishi–3. “Chorraha” nomli kompozitsiyani applikatsiya usulida ishlash

27–28-darslar



Harakatlanuvchi havo transportini (samolyot, vertolyot) yasash

29–30-darslar



CD disklardan turli buyumlar yasash

31–32-darslar



Polimer materiallardan suvenir yasash

33-dars



Nazorat ishi–4. Humo qushi shaklini yasash

34-dars



Applikatsiya usulida hajmdor guldasta tayyorlash

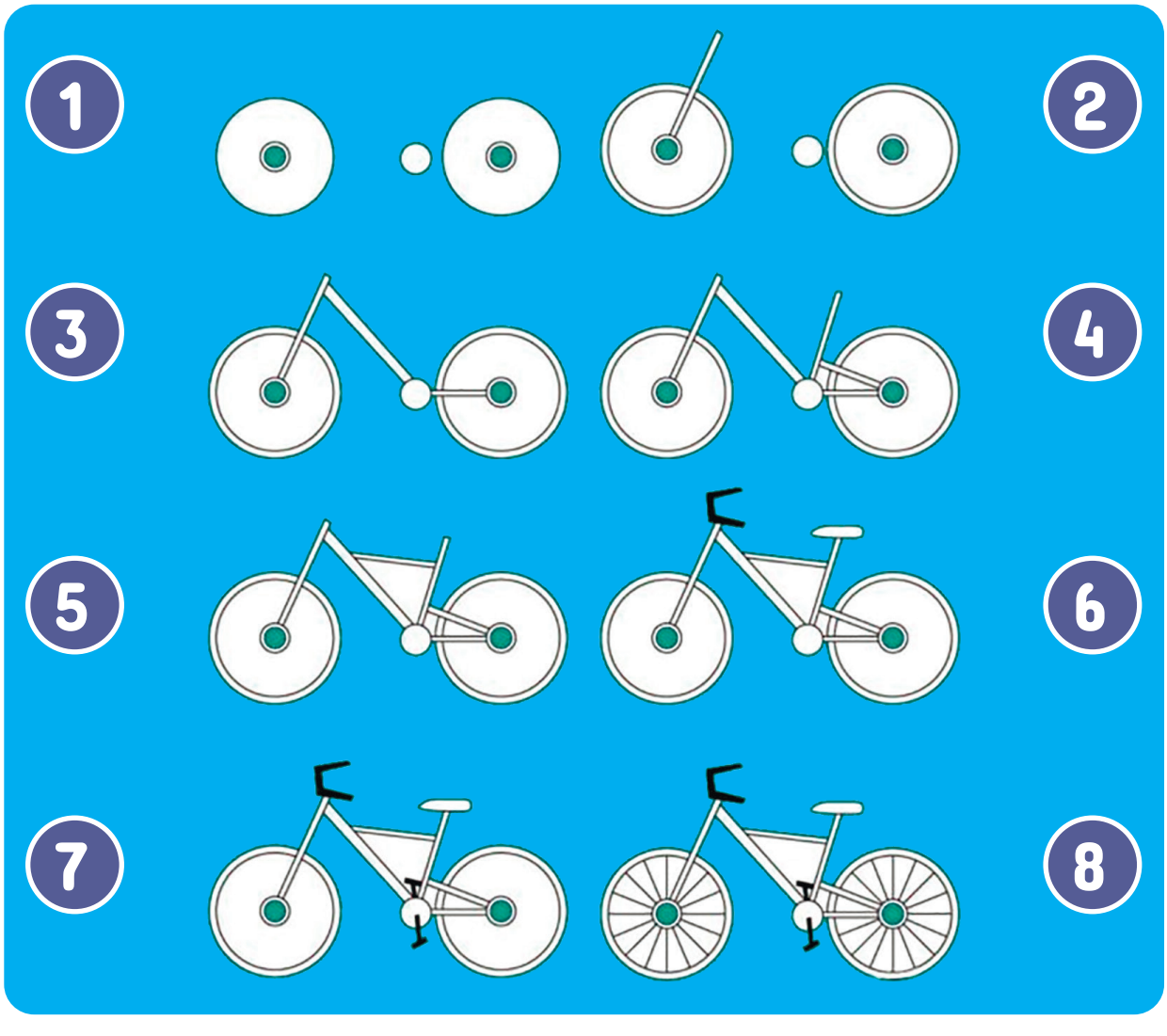
25-dars

QOG‘OZDAN VELOSIPED MAKETINI YASASH

Kerakli jihozlar:

qog‘oz, karton, yelim, qalam, sirkul.

Qog‘oz va kartondan velosiped maketini bosqichma-bosqich yasang.

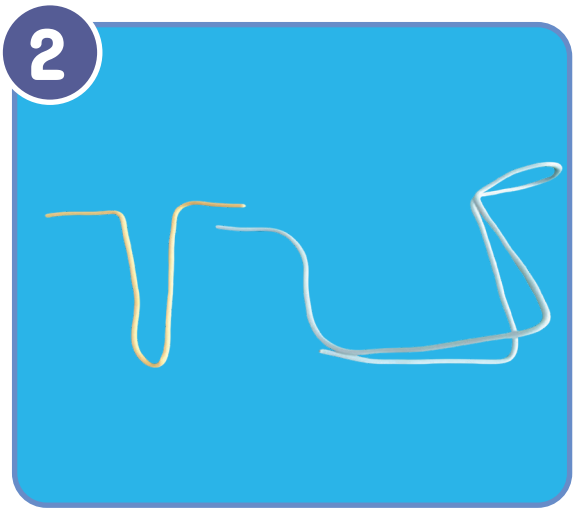


Turli materiallardan velosiped yasang.

1



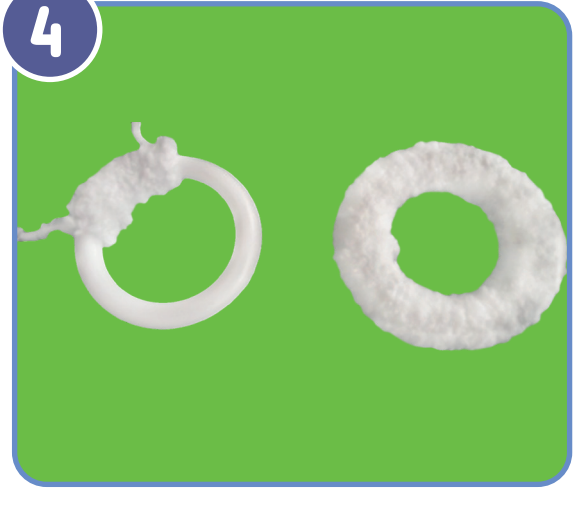
2



3



4



5



6



26-dars

NAZORAT ISHI—3. “CHORRAHA” NOMLI KOMPOZITSIYANI APPLIKATSIYA USULIDA ISHLASH

Svetofor ishoralariga rioya eting!



Yo‘l belgilariga amal qiling!

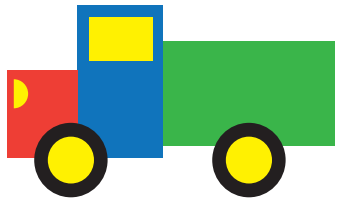


Piyodalar o‘tish yo‘lagidan harakatlaning!



Chorak davomida o‘rganilgan mashina turlaridan chorraha kompozitsiyasini yasang.

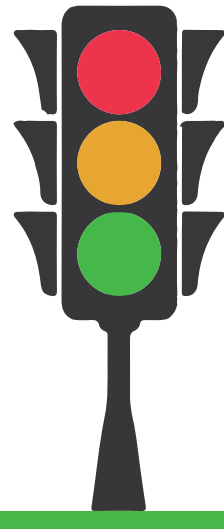






Qizil chiroq
Harakat taqiqlanadi

Sariq chiroq
Ogohlantiruvchi



Yashil chiroq
Harakatlanish mumkin

She’rlarda qaysi belgilar ta’riflanganini toping

1. Qizil doira ichida darcha.
Shoshmasdan siz nogohon,
O‘ylab ko‘ring-chi bir on:
Nima ekan bu yerda —
G‘ishtlar terilgan joymi?

2. Uchburchakda ketyapman,
Transportni ogoh etib:
Hozir o‘tish joyidir,
Piyodani asrang deb.

3. “Eslab oling meni doim!” —
Der bu belgi muloyim:
“Ko‘rsataman har doim
Piyoda yurish joyin.”



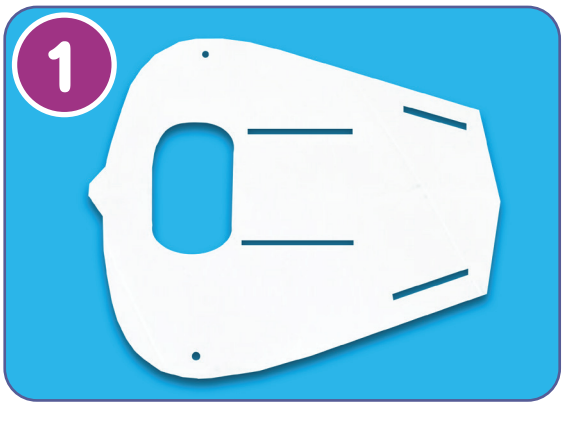
27–28-darslar

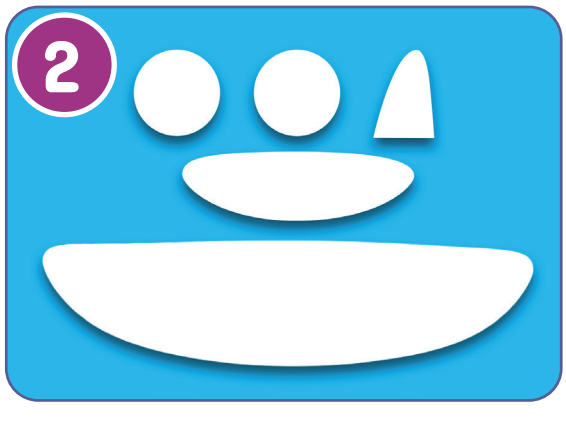
HARAKATLANUVCHI HAVO TRANSPORTINI (SAMOLYOT, VERTOLYOT) YASASH

Kerakli jihozlar:

rangli karton, qog‘oz, qaychi, qalam, yelim, sirkul, yumshoq sim.

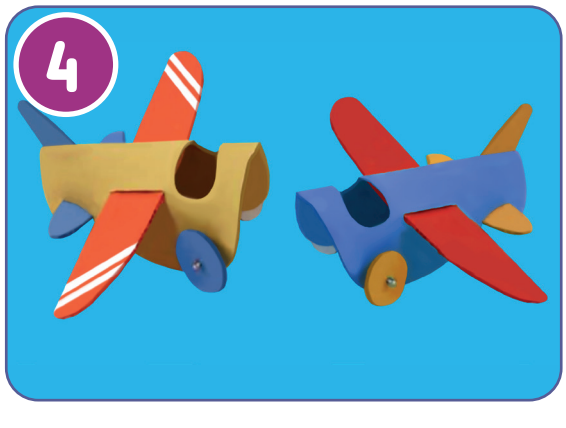
Transport qismlarini o‘lchang va qirqib oling.





Qismlarni yig‘ib chiqing.





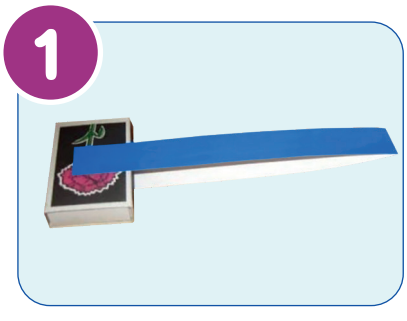
Gugurt qutisidan samolyot yasash

Kerakli jihozlar:

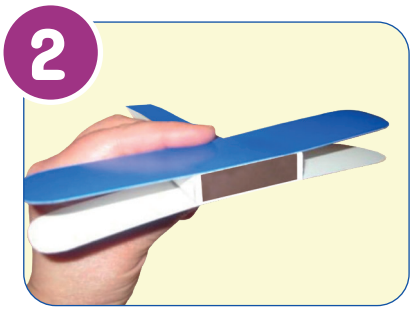
rangli karton, bo‘sh gugurt qutisi, qaychi, qalam, yelim.

Ko‘rsatilgan ketma-ketlikda bajaring.

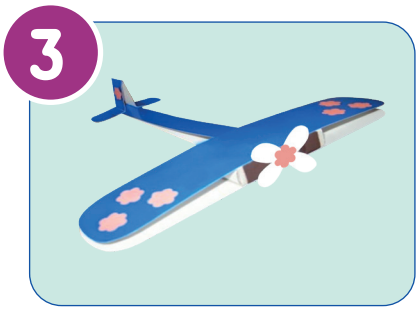
1



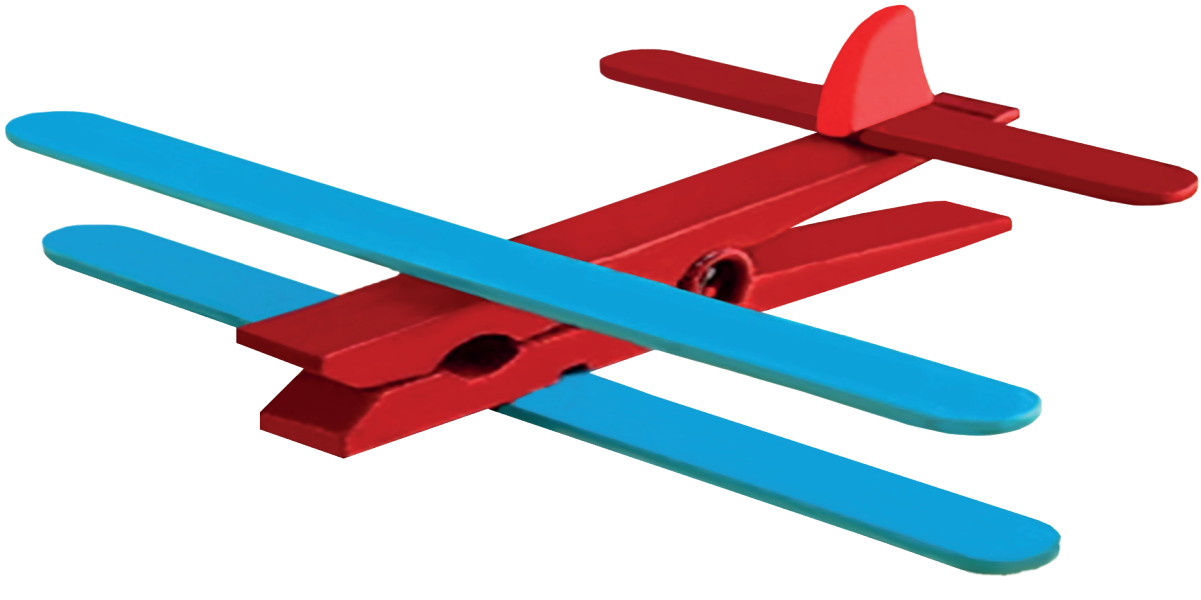
2

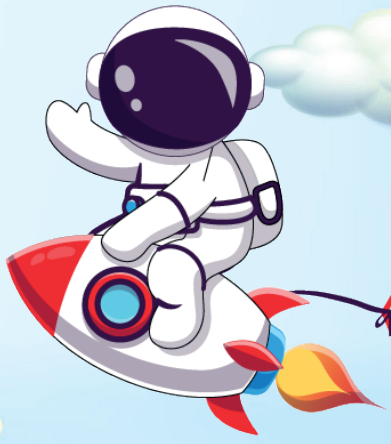


3



Samolyot modelini mustaqil yasang.





O‘zganday kometadan,
Samoda raketaday
Oyni aylanib zir-zir
Uchib yurgan fazogir.
Juda kuchli hamda mard
Va bilimli kosmonavt.

K. Turdiyeva

Samolyotim – kaptarim,
Osmon – zangor daftarim.
Qanot bilan yozaman,
Har doim parvozdaman.



She’rlarda keltirilgan kasb egalari nomini toping.

F	A	A	F	T	S	T	Z	F
K	Z	R	Z	K	Z	B	F	J
E	F	A	Z	O	G	I	R	S
V	J	Z	V	E	A	E	S	A
F	A	F	Z	S	F	R	R	F
K	O	S	M	O	N	A	V	T

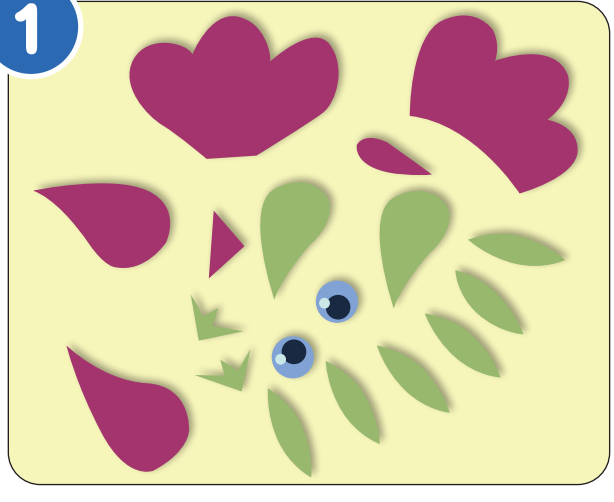
29–30-darslar

CD DISKLARDAN TURLI BUYUMLAR YASASH

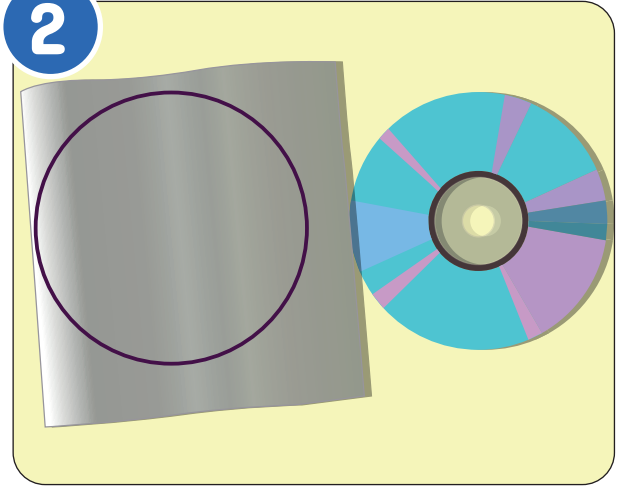
Kerakli jihozlar:

qog‘oz, karton, qalam, chizg‘ich, sirkul, CD disk, tugmacha.

1

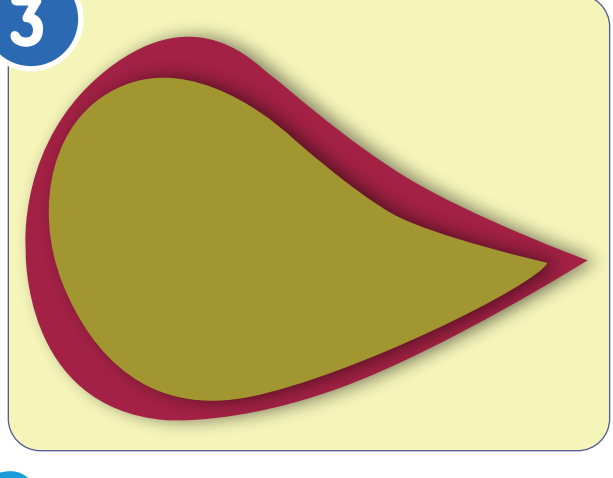


2



Xo‘roz bo‘laklari o‘lchamlarini to‘g‘ri tanlang.

3



4

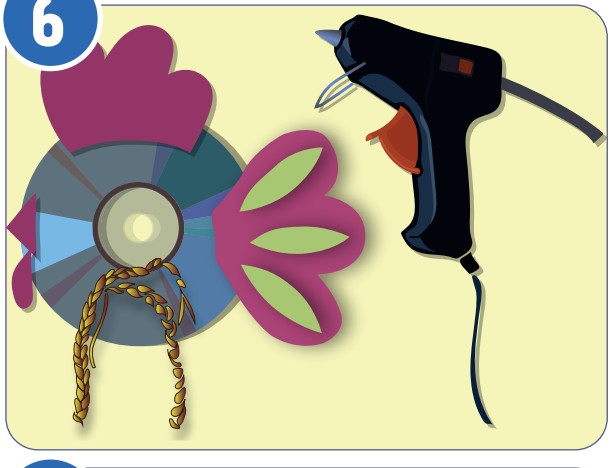


Qismlarga mos ranglarni tanlang.

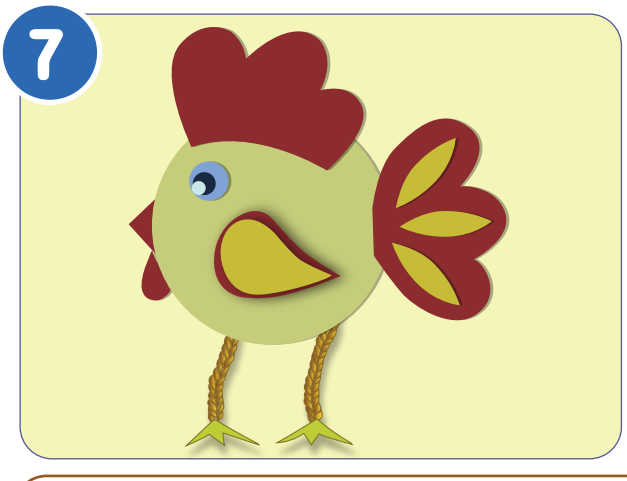
5



6



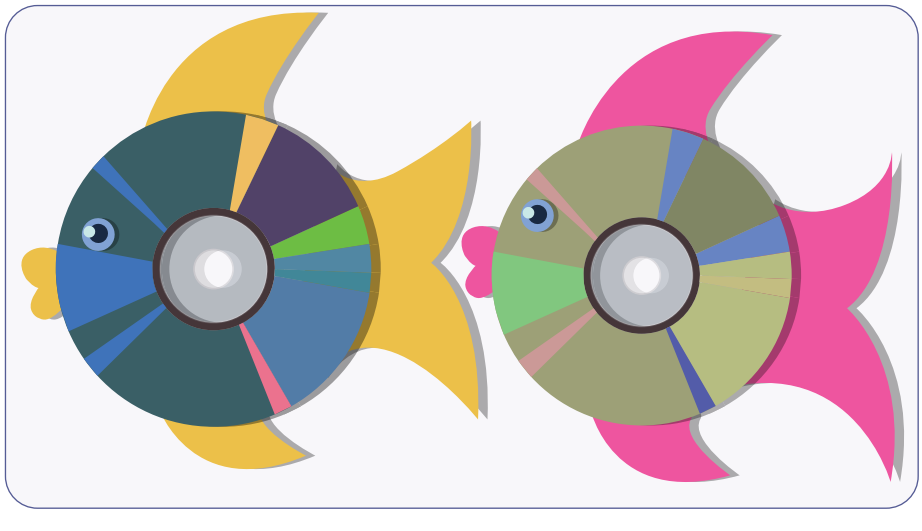
7



8



Disklardan turli hayvonlar shaklini mustaqil yasang.







31–32-darslar

POLIMER MATERIALLARDAN SUVENIR YASASH

Kerakli jihozlar:

polimer stakan, polimer qoshiq, polimer naycha va qog‘oz bo‘laklari.

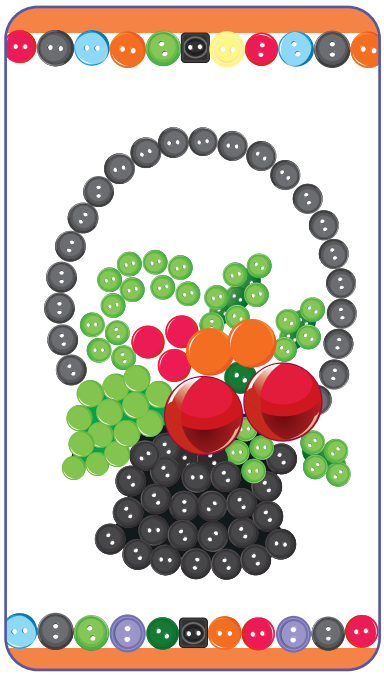
Bajarilish tartibi:

1. Ikki xil rangdagi polimer qoshiqchalarni skotch yordamida gul shakliga keltiring.
2. Polimer stakanlar tagiga karton joylashtirib, unga gul shaklini yelimlang.
3. Stakan ichini qog‘oz parchalari bilan to‘ldiring.



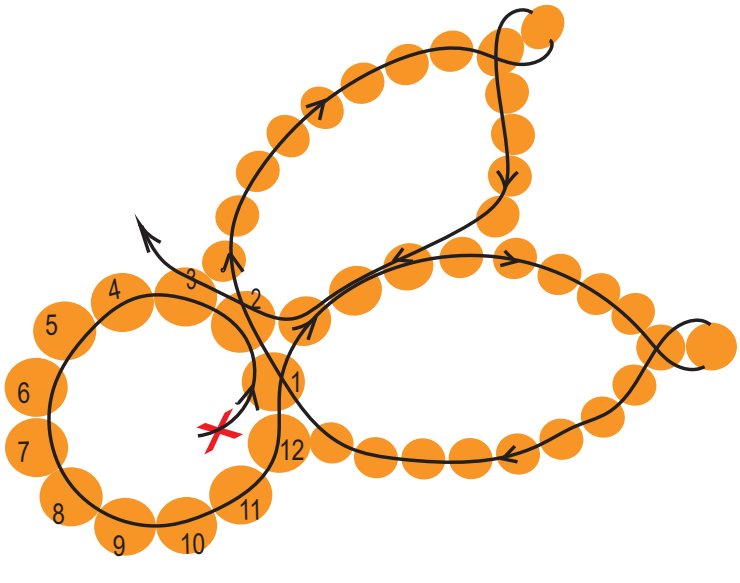
Rangi mos mayda munchoqlarni tanlang.



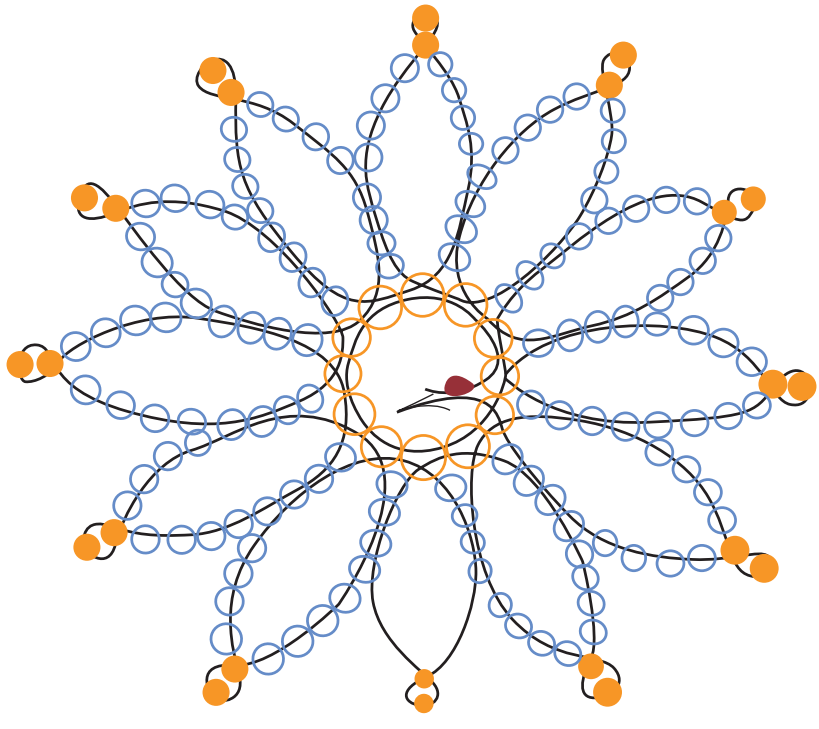




Aylana halqaga 12 dona sariq rangli mayda munchoqni terib chiqing



Halqalarga 16 donadan mayda munchoq terish



Tikuvchilik kasbi

Tikuvchi – siz bilan bizga bejirim, chiroyli ko‘ylaklar tikib beradigan hunar egasi. Mahoratli tikuvchilar kishilar olqishiga sazovordir. Ularning mehnati tufayli biz har doim ko‘rkam va zamonaviy kiyimlarni kiyib yuramiz. Tikuvchilar mehnatini qadrlashimiz lozim!

Tikuvchi ko‘p ter to‘kar,
Tikuvchi ko‘ylak tikar:
Yubka, shim-u kamzulcha,
Sarafan, xalat, nimcha.

K. Turdiyeva



33-dars

NAZORAT ISHI—4. HUMO QUSHI SHAKLINI YASASH

Kerakli jihozlar:

rangli qog‘oz, tugma, yelim va qaychi.

1



2



3



4



5



6



Oqqush kompozitsiyasini mustaqil yasang.



Yashiringan qushlar nomini toping

s	t	k	s	h	t	h	a	r	a
a	q	a	l	d	i	r	g‘	o	ch
z	s	k	a	b	u	t	a	r	a
s	z	h	a	k	r	t	s	h	s

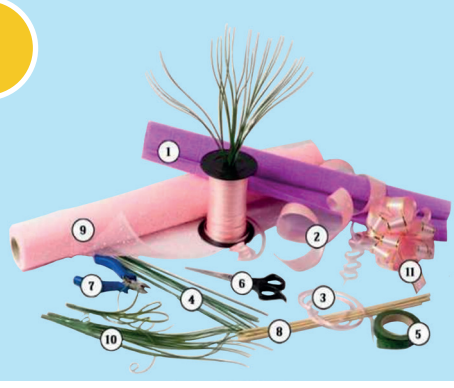
34-dars

APPLIKATSIYA USULIDA HAJMDOR GULDASTA TAYYORLASH

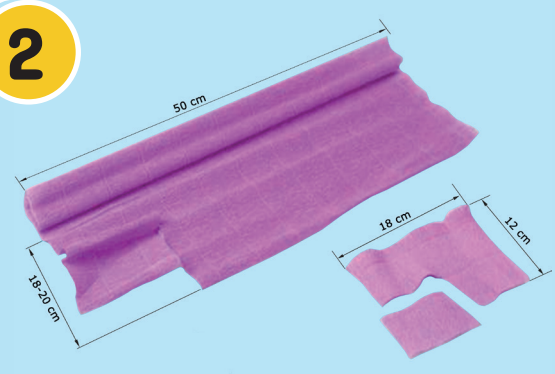
Kerakli jihozlar:

qog‘oz, karton, yelim, qaychi, yumshoq sim, skotch.

1



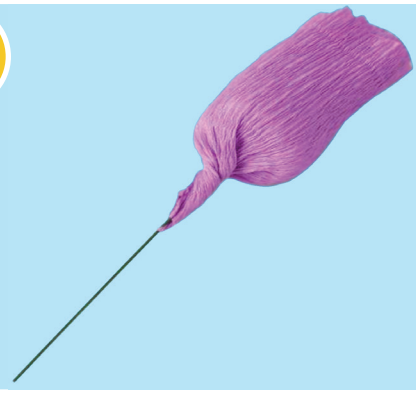
2



3



4



5



6



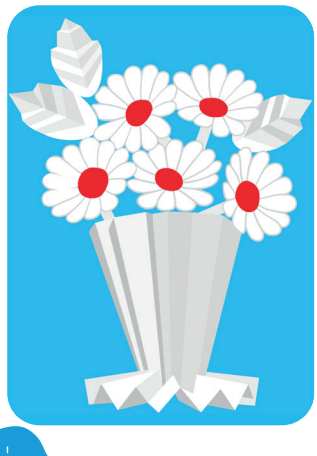






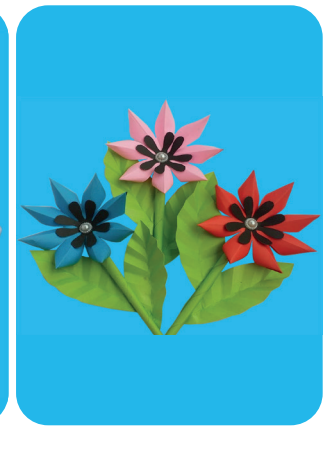


Turli gullar shaklini mustaqil yasang.









O‘TILGAN MAVZULAR YUZASIDAN TOPSHIRIQLAR

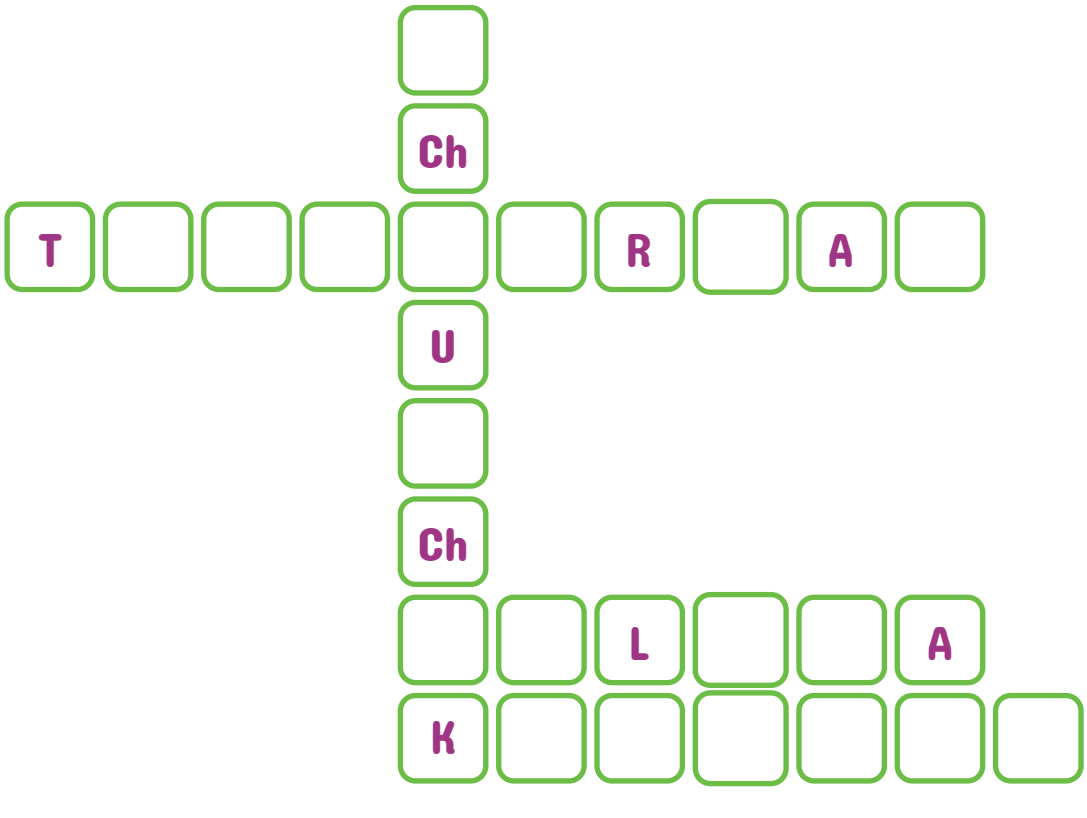
1-topshiriq.

Texnologiya darslarida ishlatiladigan ish anjomlari nomini toping.

a	y	e	l	i	m	a	b	m	a
b	j	b	m	j	b	j	m	v	b
q	a	y	ch	i	q	a	l	a	m
k	v	s	i	r	k	u	l	k	v
v	k	b	v	k	a	r	t	o	n
ch	i	z	g‘	i	ch	i	p	v	a
v	j	f	s	q	o	g‘	o	z	j
a	t	a	b	e	a	k	a	k	m
v	k	s	p	v	s	a	j	v	a
a	t	k	a	t	p	y	k	y	p
b	y	a	t	k	b	k	a	t	b

2-topshiriq.

Gorizontal va vertikal katakchalardagi geometrik shakllar nomini toping.



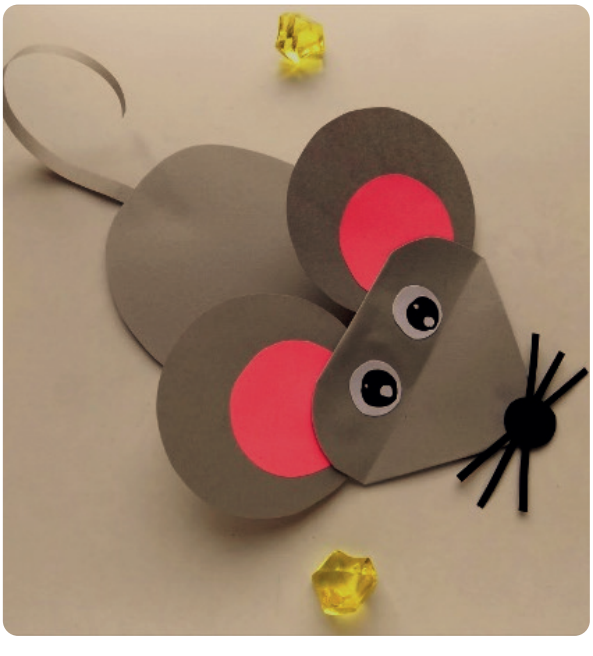
3-topshiriq.

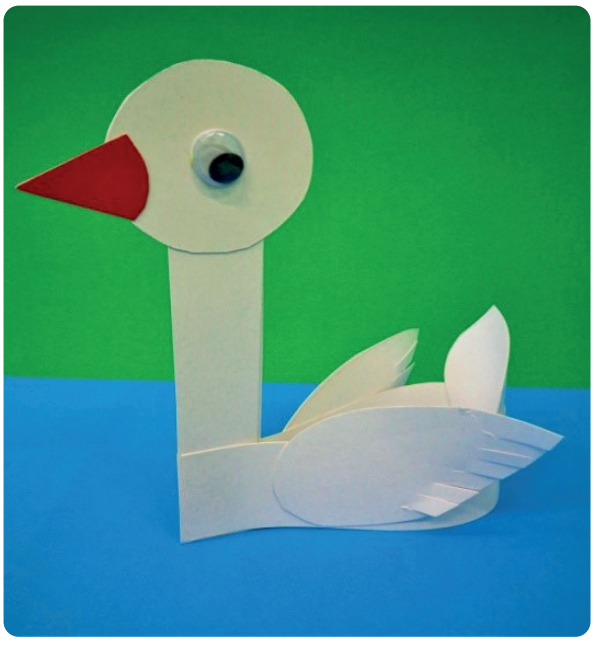
Kasblar nomini toping.

j	m	a	x	j	m	a	j	m	j
r	a	s	s	o	m	b	x	f	b
m	v	u	ch	u	v	ch	i	v	m
l	z	b	z	b	z	l	b	z	l
b	o‘	q	i	t	u	v	ch	i	b
q	v	d	b	v	v	b	v	t	v
h	b	s	u	x	o	d	o	n	h

4-topshiriq.

Mustaqil bajaring.





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O‘quv nashri

Xamrakul Sanakulov, Dilfuza Abdiyeva

TEXNOLOGIYA

Umumiy o‘rta ta’lim maktablarining
2-sinf uchun darslik

Muharrir Orifjon Madvaliyev

Dizayner Qobul Raufov

Rassomlar Kamoliddin Nurmanov, Gulmira Utekulova

Texnik muharrir Shoxrux Turaxanov

Sahifalovchi Roza Jumaniyazova

Musahhih Nilufar Oymatova

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“Kolorpak” MChJ bosmaxonasida chop etildi.
Toshkent shahar, Yunusobod tumani, Yangishahar ko‘chasi, 1-A uy.



COLORPACK

Ijaraga berilgan darslik holatini ko‘rsatuvchi jadval

T/r	O‘quvchining ismi, familiyasi	O‘quv yili	Darslikning olingandagi holati	Sinf rahbarining imzosi	Darslikning topshirilgandagi holati	Sinf rahbarining imzosi
1						
2						
3						
4						
5						
6						

Darslik ijaraga berilib, o‘quv yili yakunida qaytarib olinganda yuqoridagi jadval sinf rahbari tomonidan quyidagi baholash mezonlariga asosan to‘ldiriladi.

Yangi	Darslikning birinchi marta foydalanishga berilgandagi holati.
Yaxshi	Muqova butun, darslikning asosiy qismidan ajralmagan. Barcha varaqlari bor, yirtilmagan, ko‘chmagan, betlariga yozilmagan va chizilmagan.
Qoniqarli	Muqova ezilgan, birmuncha chizilib, chetlari yedirilgan, darslikning asosiy qismidan ajralish holati bor, foydalanuvchi tomonidan qoniqarli ta’mirlangan. Ko‘chgan varaqlari qayta ta’mirlangan, ayrim betlariga chizilgan.
Qoniqarsiz	Muqovaga chizilgan, yirtilgan, asosiy qismidan ajralgan yoki butunlay yo‘q, qoniqarsiz ta’mirlangan. Betlari yirtilgan, varaqlari yetishmaydi, chizib, bo‘yab tashlangan. Darslikni tiklab bo‘lmaydi.