

TEHNOLOGIYA

1

Umumy orta bilim berýän mekdepleriň
1-nji synpy üçin derslik

Özbekistan Respublikasynyň Halk bilimi
ministrligi tarapyndan neşire hödürlenildi

DAŞKENT – 2021

UO'K 37.016:331(075.3)
KBK 74.263ya71
M 51

Dilbar Mirahmedowa, Zulfizarhon Şamsiyewa

Tehnologiýa 1-nji synp [Tekst] : derslik /
D. S. Mirahmedowa, Z. S. Şamsiyewa. – Daşkent:
Respublikan tälim merkezi, 2021. – 72 s.

Syn ýazanlar:

- D. A. Alimowa — Daşkent welaýatynyň Daşkent tümenindäki 15-nji mekdebiň başlangyç synp we tehnologiýa mugallymy, tejribe-synag meýdançasynyň hünärmen-synagçysy;
- D. R. Aripowa — Daşkent şäheriniň Ýunusabat tümenindäki 274-nji mekdebiň başlangyç synp we tehnologiýa mugallymy, tejribe-synag meýdançasynyň hünärmen-synagçysy.

Şertli belgiler



— sorag



— ýumuş



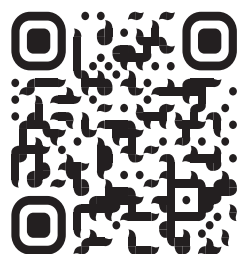
— ýatlatma



— biziň kömekçilerimiz



SCAN ME
TO GET TO DIGITAL RESOURCES
[http:// ...TURKMAN TILIDA](http://...TURKMAN TILIDA)



ÜNS BERIŇ!



Dersligi doldurýan sifrlí düzüjilere geçmek üçin QR kod ýa-da web saýtdan peýdalanyň.

dr.rtm.uz

Respublikanyň ýörite kitap gaznasynyň serişdeleriniň hasabyndan çap edildi.

MAZMUNY

Giriş	4	18-nji ders	Mozaika usulynda almanyň şekilini ýasamak.....	44
1-nji ders		19-njy ders	Mozaika usulynda hurmanyň we naryň şekillerini ýasamak	46
Tehnologiýa älemi	5	20—21-nji dersler	“Sebetdäki miweler” temasynda kompozisiýa ýasamak	49
2-nji ders		22-nji ders	Piliň we žirafyň şekillerini ýasamak	50
Tehnologik proses	8	23-nji ders	“Haýwanat bagy” temasynda kompozisiýa ýasamak	52
3-nji ders		24-nji ders	Kagyzy lentadan uly göwrümlü gülüň şekilini ýasamak.....	54
Gyzykly şekiller	14	25-nji ders	Saýawan ýasamak	56
4-nji ders		26-njy ders	Barlag işi. Gutlag haty ýasamak.....	58
Şadyýan sifrlər	16	27-nji ders	Transport görnüşleri we onuň adamyň durmuşyndaky orny	60
5—6-njy dersler		28-nji ders	Kagyzy eplemek usulynyň kömeginde awtomobiliň şekilini ýasamak	61
Tebigy materiallar. Ýapraklardan islegli şekilleri ýasamak.....	20	29-njy ders	Kagyzy eplemek usulynyň kömeginde uçaryň şekilini ýasamak.....	63
7-nji ders		30-njy ders	Kagyzy eplemek usulynyň kömeginde gäminiň şekilini ýasamak.....	65
Tebigy we dürli materiallardan haýwanlaryň şekilini ýasamak.....	23	31-nji ders	Barlag işi.....	67
8-nji ders		32—33-nji dersler	“Jadyly ilikler” temasynda kompozisiýa ýasamak.....	69
Tohumlardan nagyş ýasamak	25			
9-njy ders				
Tebigy materiallardan kirpiniň şekilini ýasamak.....	27			
10-njy ders				
Kagyzy we onuň görnüşleri. Kagyzy eplemegiň usullary	28			
11—12-nji dersler				
“Güýzüň nygmatlary” temasynda kompozisiýa ýasamak. Köpçülik işi.....	30			
13-nji ders				
Kömelegiň şekilini ýasamak	32			
14-nji ders				
Gurluşykçy käri. Jaýjagaz gurmak	34			
15—16-njy dersler				
Dürli kagyzlardan Täze ýyl arçasyny we onuň bezeglerini ýasamak.....	38			
17-nji ders				
Applikasiýa usulynda gyşyň görnüşini ýasamak.....	42			

GIRIŞ

Hormatly okuwçy!



Ululary haýran galdyrmak isleýärsiňizmi?

Kagyzdan we kartondan dürli şekilleri ýasamak, tebigy materiallardan gyzykly teswirleri, iliklerden dürli şekilleri emele getirmegi isleýärsiňizmi?

“Tehnologiýa” predmeti Size şu babatda ýakyndan kömek eder.

Dersligiň kömeginde Siz tehnologik prosesleriň ýerine ýetiriliş yzygiderligini bilersiňiz. Amaly sapaklar dowamynda zähmet gurallary bilen ýakyndan tanyşarsyňyz, gaýçy, ýelim, çotga ýaly enjamlar bilen işlemegiň kadalaryny öwrenersiňiz.

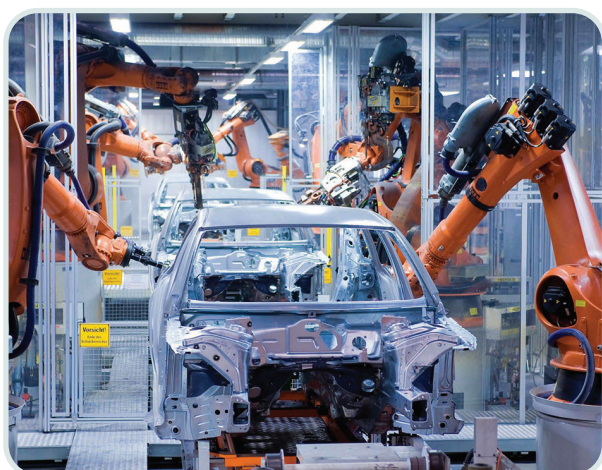
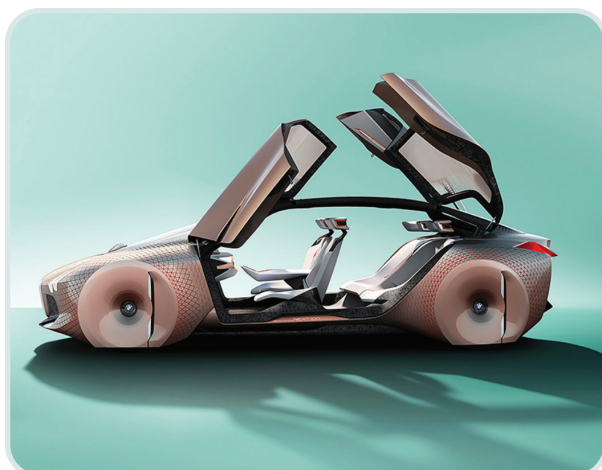
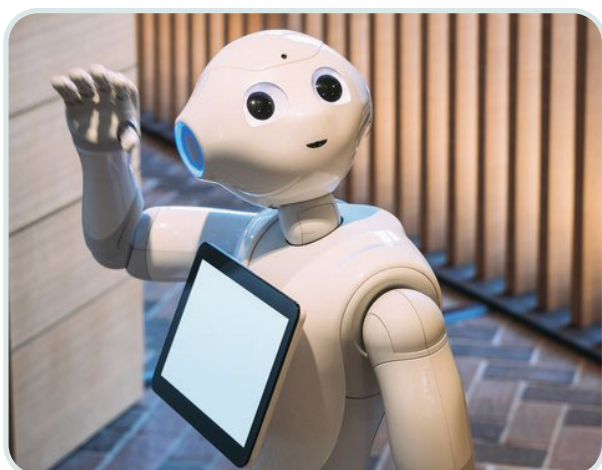
Özbaşdak döredijiligiňiz, islän zadyňyzy ýasap bilmegiňiz üçin mümkinçilikler gapysy açylar. Derslikde berlen ýumuşlary oňat hilli ýerine ýetirmekde Size üstünlik arzuw edýäris.

Awtorlar

1-nji
ders

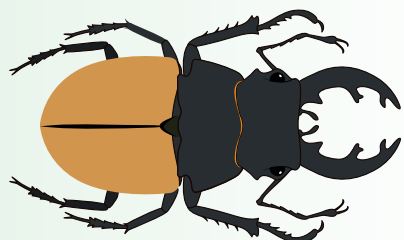
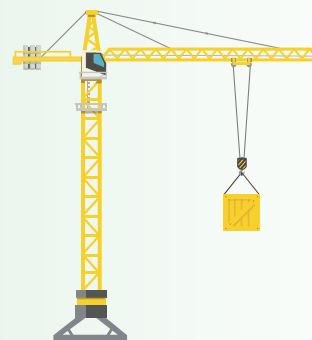
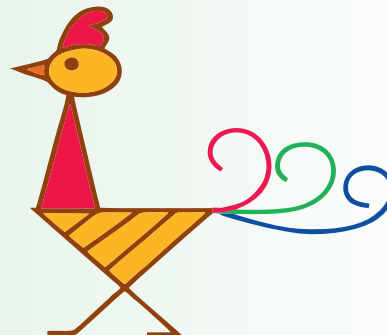
TEHNOLOGIYA ÄLEMI

Suratda görkezilen tehnikalary üns bilen synlaň

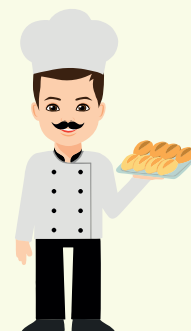


1. Siz bu tehnikalary nirelerde görüpdiňiz?
2. Tehnologiya älemi barada nämeleri bilýärsiňiz?

Aşakda berlen teswirleriň meňzeş taraplaryny deňeşdiriň



Tehnologiýa we kärler bilen tanyşyrys



1. Siz gündelik durmuşda nähili tehnologiýalardan peýdalanýarsyňyz?
2. Döwrebap tehnologiýalar adamlaryň zähmetini nähili ýeňilleşdirýär?

TEHNOLOGIK PROSES

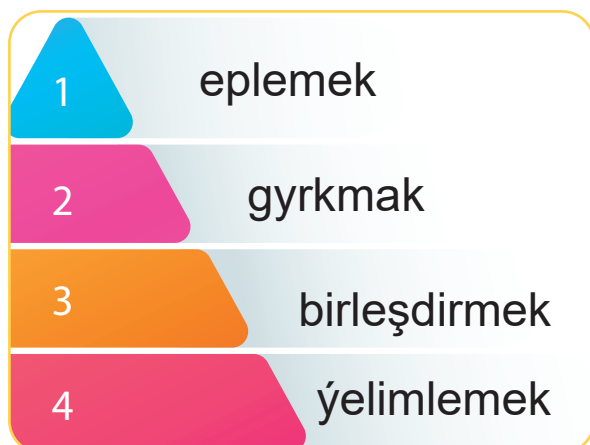
Tehnologiýanyň özi näme?

Tehnologiýa önüm döretmek prosesidir. Bu prosesde onuň peýdaly aýratynlyklaryny ýitirmeli däl. Oňat hilli önüm hyrydarly bolýar. Tehnologik prosesleri dogry ýerine ýetirip, oňat hilli önüm taýýarlamagy öwrenýäris.



Islendik predmet tehnologik proses esasynda taýýarlanýar.

Tehnologik prosesde yzygiderlik



Çörek taýýarlamagyň tehnologik prosesi

1



Däne ekilýär we ýetişdirilýär.

2



Däneneden un taýýarlanýär.

3



Undan çörek taýýarlanýär.

4



Çörek iýmitede çykarylýär.

Tehnologiya derslerinde ulanylyan iş gurallary



Galam



Karton



Reňkli kagyzlar



Tebigy materiallar



Ýelim



Çotga



Gaýçy



Çyzgyç

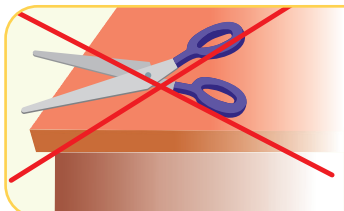


Kagyz düzleýji



Iş gurallaryndan peýdalananda howpsuzlyk tehnikasyny kadalaryna amal ediň.

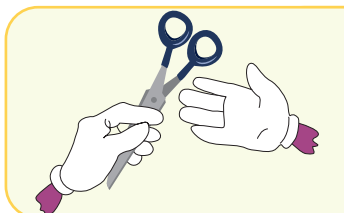
1. Gaýçy bilen işlemegiň kadalary



Gaýçynyň tygly tarapyny açyk galdyrmak bolmaýar.

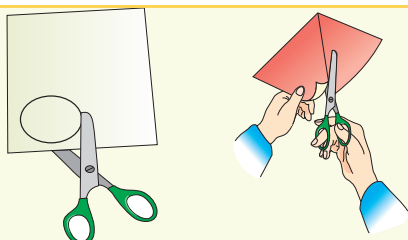


Gaýçynyň tygly tarapyny ýokary garadyp agzy açyk ýagdaýda tutmak bolmaýar.

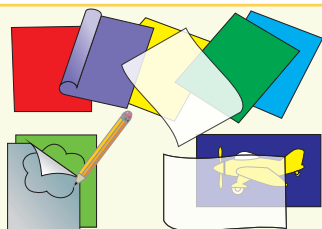


Gaýçynyň tygly tarapyny ýapylan ýagdaýda, ýapyk tarapy bilen uzatmaly.

2. Gaýçy bilen işlemegiň tehnikasyny

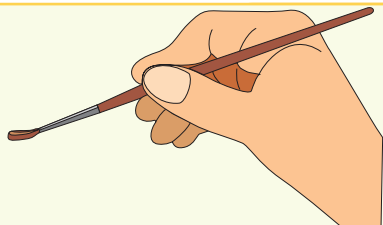


Kagyzy gyrkan wagtda gaýçyny däl, kagyzy aýlap kesiň.

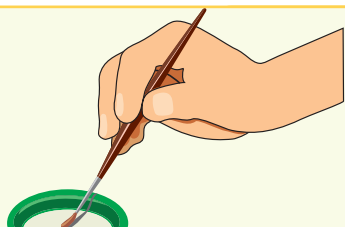


Kagyздan dogry peýdalanyň.

3. Ýelim bilen işlemegiň kadalary



Çotgany dogry tutuň.



Çotganyň ujuny ýelime batyryp alyň we ýelimi detalyň ters tarapyndan çalyň.



Iş prosesinde arassaçylyga amal etmek bilen gerekli serişdelerden (kartondan, kagyздan, ýörite polimer esaslardan) peýdalanyň.



Detal bir tekiz ýapyşar ýaly salfetkadan peýdalanyň.



Ýelimiň gapagyny açyk galdyrmaň. Işi gutarandan soň, çotgany gowuja ýuwup, esasta guradyň.



Amaly sapak prosesinde howpsuzlyk tehnikasy kadalaryna amal etmegi unutmaň.

Eziz çagalar! Biz ilki galam, çyzgyç, reňkli kagyz, kagyz düzleýji, gaýçy, ýelim, çotga bilen işlemegi öwreneris.

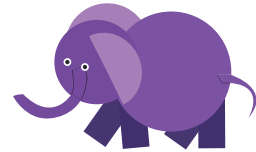
Dürli şekiller
arkaly barlygy
oýlap tapýarys.



Kagyz bilen
işlemegiň syrlaryny
bilýäris.

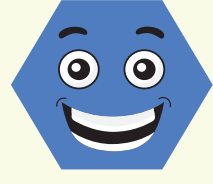
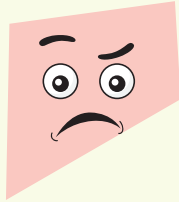
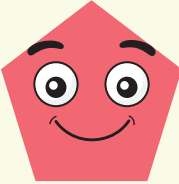
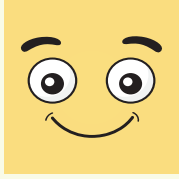


Dürli temalara
degişli applikasiýalar
döretmegi öwrenýäris.



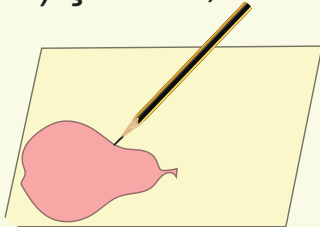
GYZYKLY ŞEKILLER

Suratdaky şekilleriň adyny aýdyň:

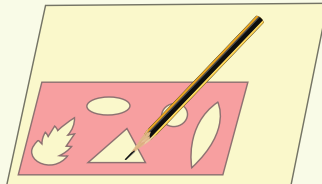


Şekilleri kagyza düşürmek üç hili usulda amala aşyrylýar. Olar aşakdaky ýaly:

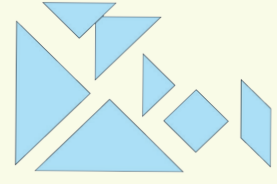
1) şablon;



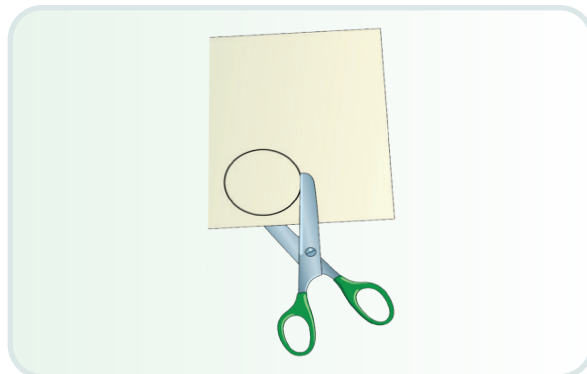
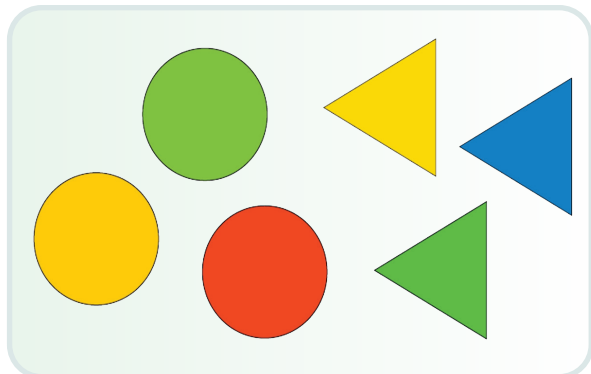
2) trafaret;



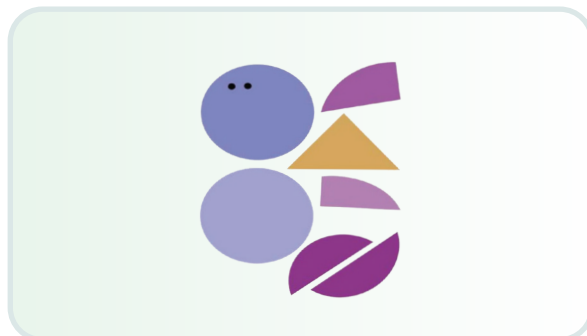
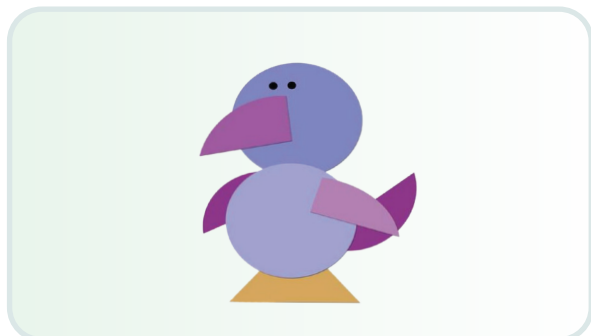
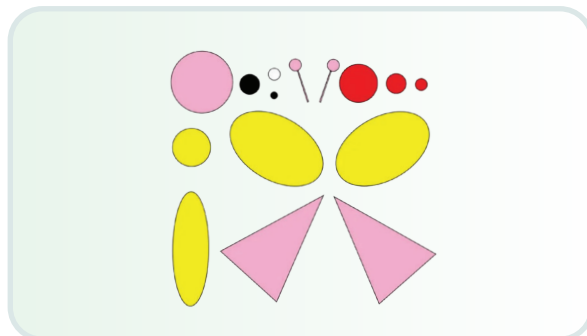
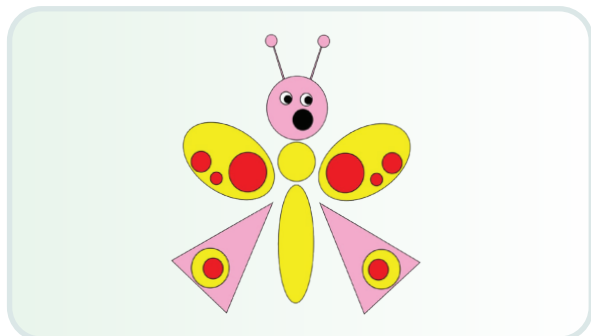
3) tangram.



Geometrik şekilleri emele getiriň



Şekillerden peýdalanyp ýasaň



Geometrik şekillerden peýdalanyp özüňiz islän zatlaryňzyň şekilini ýasaň.

Şadyýan sifrler bilen tanyşyň we derňäň





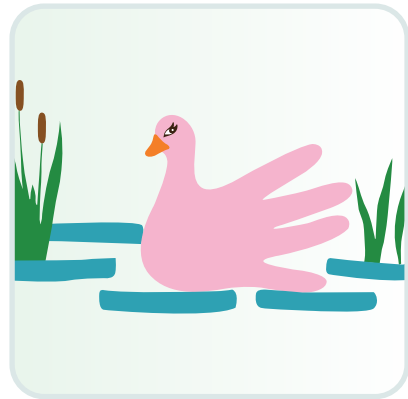
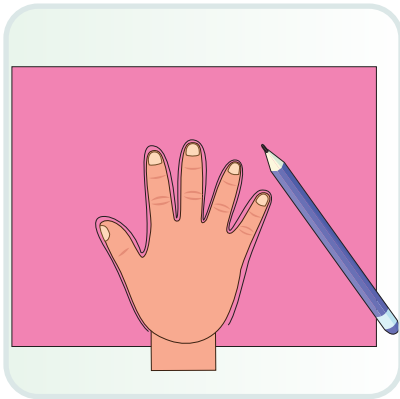
Applikasiya – çeper sungat eserlerini döretmegiň iň yönekeý we aňsat usuly. Applikasiya işinde esasy material kagyz hasaplanýar.

Şadyýan sifrlerden dürli şekilleri emele getirin

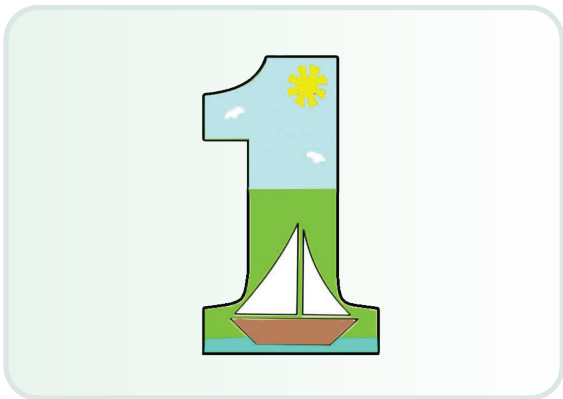




1. Guwuň şekilini ýasamak



2. Applikasiýa usulyndan peýdalanyp sifrleri bezemek



Doglan gün ýa-da baýram çäreleri üçin sifrleri applikasiýa usulynda bezejek boluň.

Eziz çagalar! Indi siziň bilen tebigy çig mallaryň kömeginde şekilleri ýasaýarys.

Tebigatyň syrlaryny we hadysalaryny bileris.



Tebigy materiallardan applikasiýa döretmegi öwreneris.



Ussatlygyň syrlaryny oýlap tapýarys.



5—6-njy

DERSLER

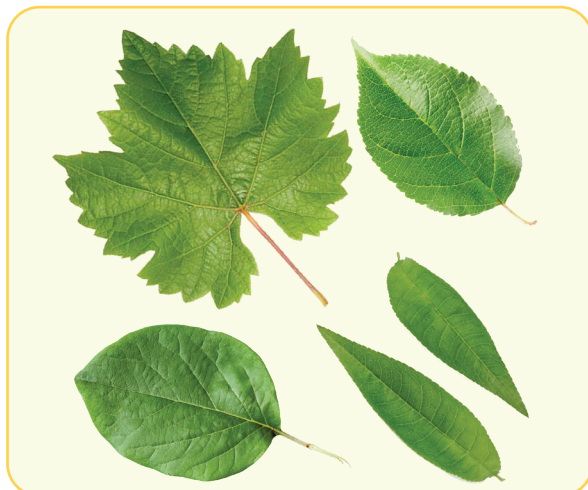
5—6-njy
dersler

TEBIGY MATERIALLAR. ÝAPRAKLARDAN ISLEGLI ŞEKILLERI ÝASAMAK

Aşakdaky tebigy materiallary durmuşda görüpdiňizmi?



1. Miweli agajyň ýapraklary



2. Miwesiz agajyň ýapraklary





Tebigy material hasaplanýan ýapraklary guratmak üçin olary gün şöhesi düşmeýän ýere kagyzyň ýa-da matanyň üstüne ýaýyp goýmaly.

Ýapraklary guratmagyň yzygiderligi



Ýapraklary saýlap, arassalap alyň.



Ilki ýapraklary kagyzlaryň arasynda goýuň.



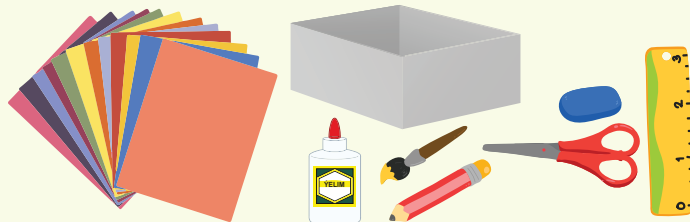
Soň bolsa üstünden galyň kagyzy ýapyp, agyr zady basyryp goýuň.



Eger ýapraklary uzak wagt saklajak bolsaňyz, kagyzy wagtal-wagtal çalşyryp duruň.

5—6-njy

DERSLER

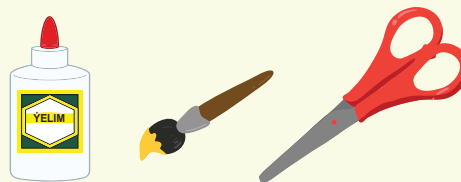


Ýapraklary applikasiýa taýýarlamagyň usullary

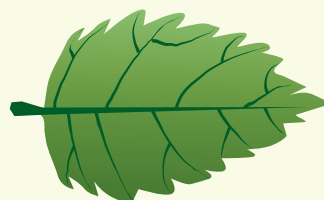


Ýapraklardan şekiller ýasaň.

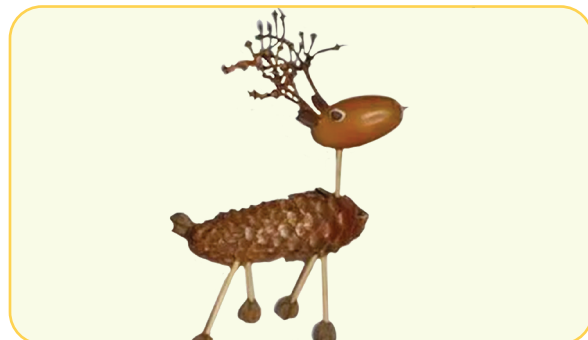
TEBIGY WE DÜRLI MATERIAL- LARDAN HAYWANLARYŇ ŞEKILINI ÝASAMAK



1. Towşanyň şekilini ýasamak



2. Keýigiň şekilini ýasamak



3. Kirpiniň şekilini ýasamak

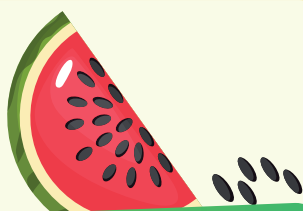


Tebigy we dürli materiallardan haýwanlaryň şekillerini ýasaň.

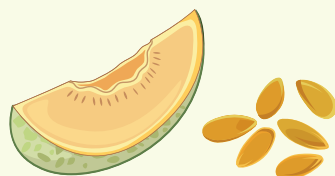
8-nji
ders

TOHUMLARDAN NAGYŞ ÝASAMAK

Bize gerekli tohumlar



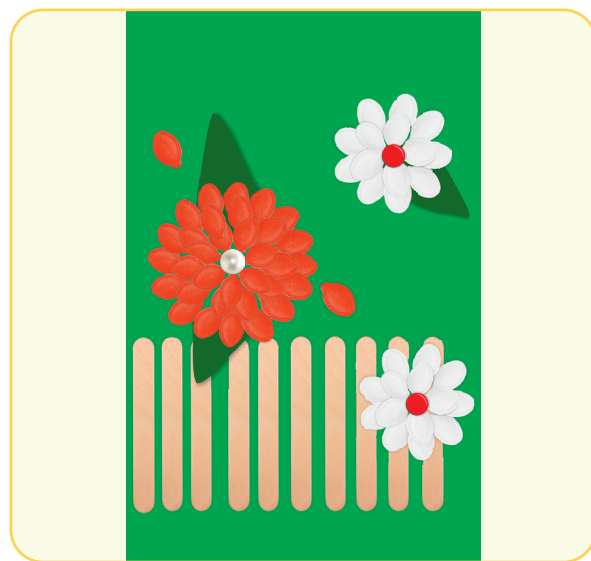
garpyzyň tohumy



gawunyň tohumy

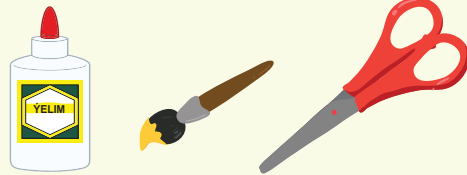


kädiniň tohumy

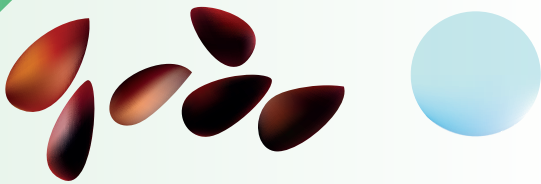


Applikasiýada iýilýän tohumlardan we dänelerden peýdalanmaň!

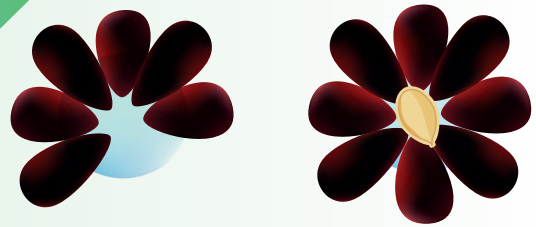
Tohumlardan nagyş düzmek



1



2



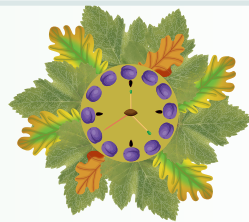
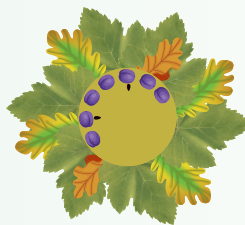
1



2



Tebigy materiallardan sagadyň şekilini applikasiýa usulynda ýasaň.



9-njy
ders

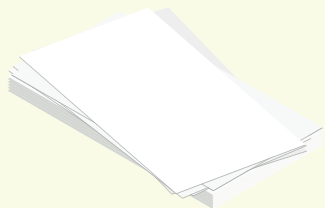
TEBIGY MATERIALLARDAN KIRPINIŇ ŞEKILINI ÝASAMAK



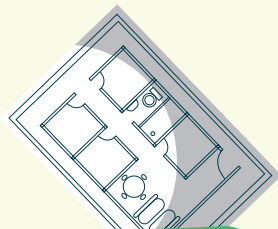
Applikasiýa usulynda kirpiniň şekilini ýasap
tamamlaň.

KAGYZ WE ONUŇ GÖRNÜŞLERI. KAGYZY EPLEMEGIŇ USULLARY

Kagyzyň görnüşleri



Çap kagyzy



Çyzgy kagyzy



Öý-hojalyk kagyzy



Gofri kagyzy



Gazet kagyzy

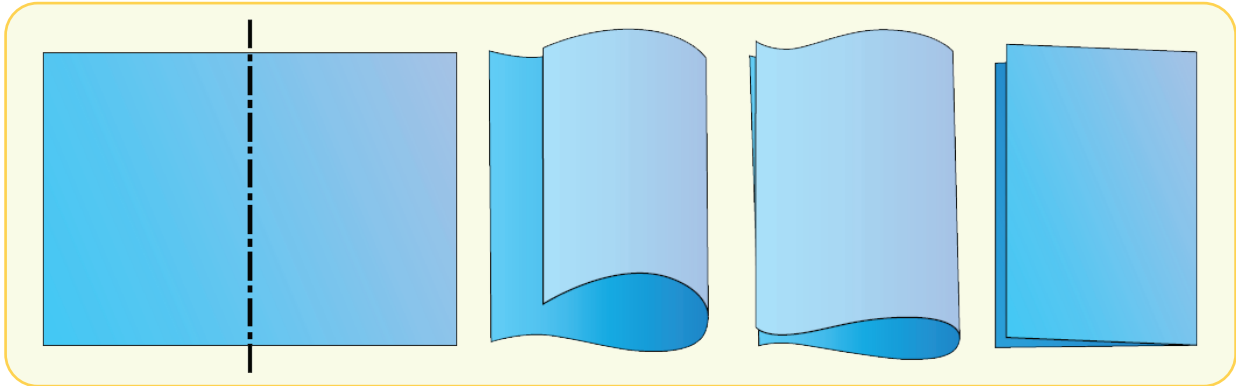


Reňkli kagyz

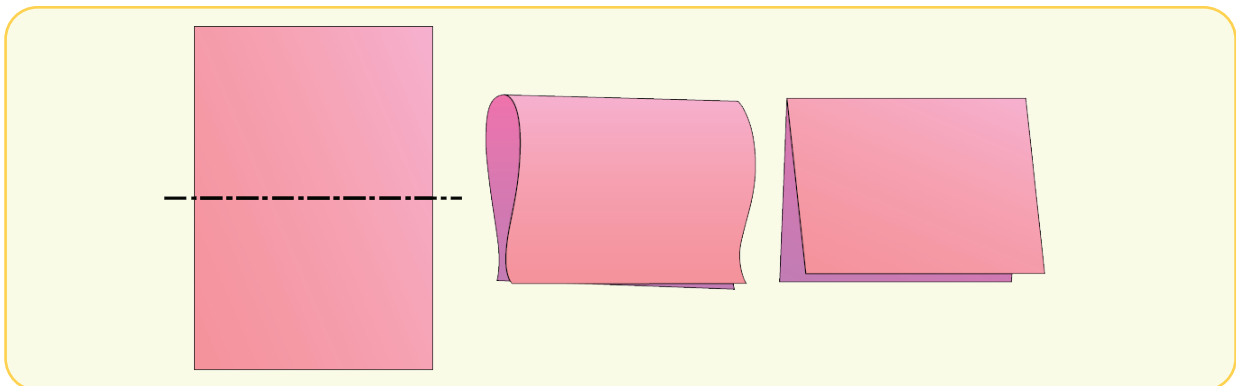


Kagyzyň ýene nähili görnüşleri bardygyny tapyň we ýoldaşlaryňyza aýdyp beriň.

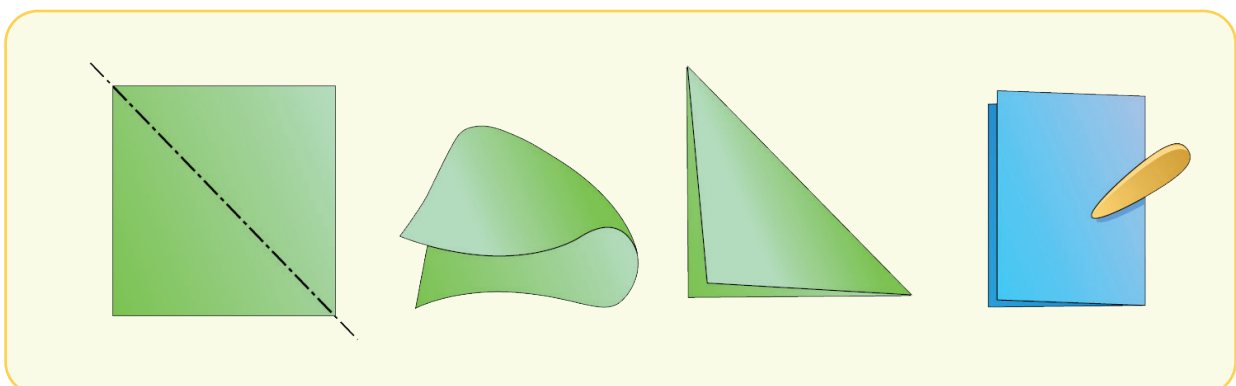
1. Kagzy wertikal eplemek usuly



2. Kagzy gorizonttal eplemek usuly



3. Kagzy burç astynda eplemek usuly

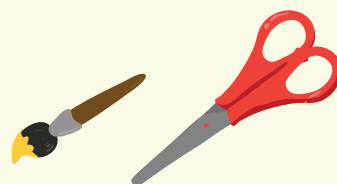


11–12-nji

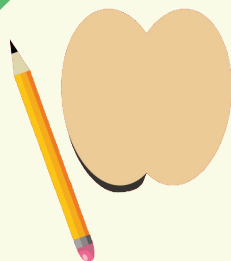
DERSLER

11–12-nji
dersler

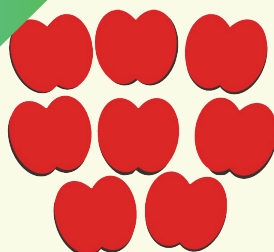
“GÜYZÜŇ NYGMATLARY”
TEMASYNDA KOMPOZISIÝA
ÝASAMAK. KÖPÇÜLIK IŞI



1



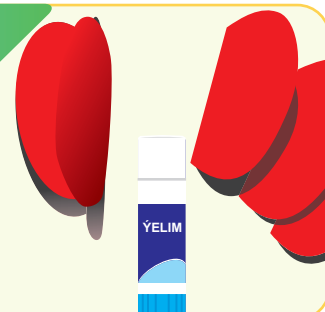
2



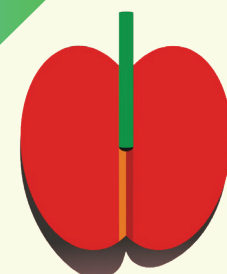
3

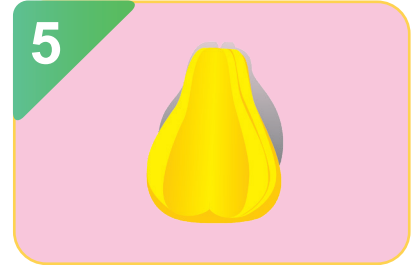
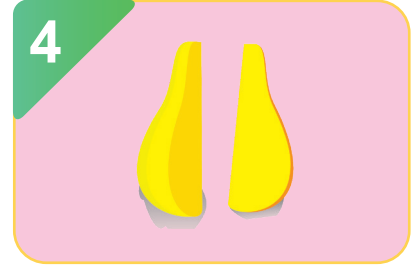
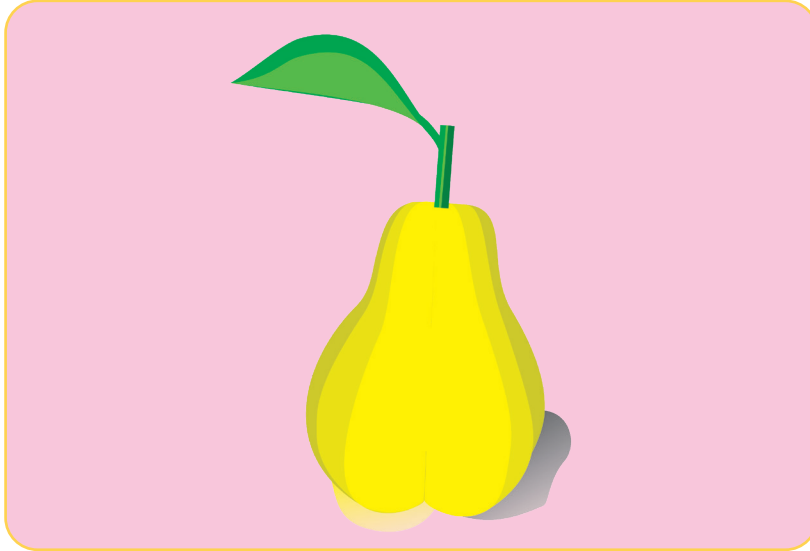
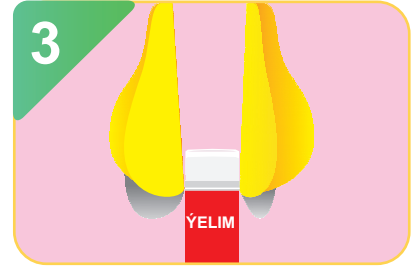
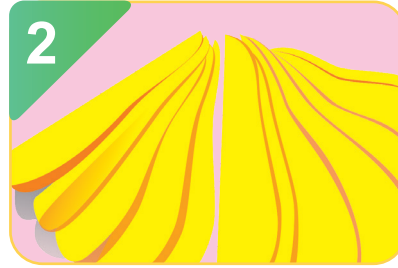
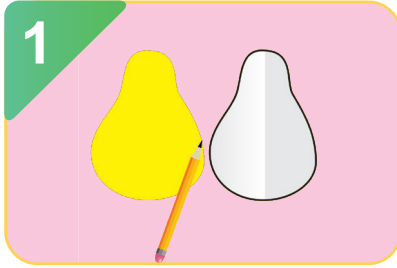


4



5





Güýzde bişýän miweleriň şekilini reňkli kagyzdan ýasaň.

KÖMELEGIŇ ŞEKILINI ÝASAMAK



1. Kömelek nirelerde ösýär?
2. Ony iýmek mümkinmi?



Kömelekleri öwreniň we derňäň.

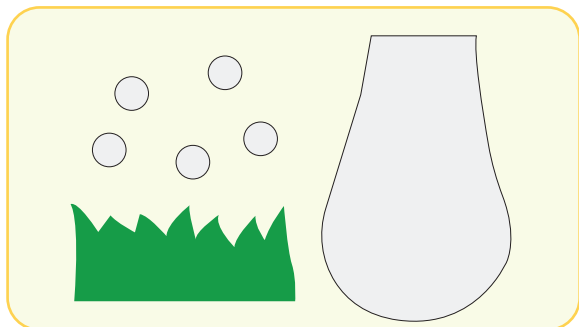
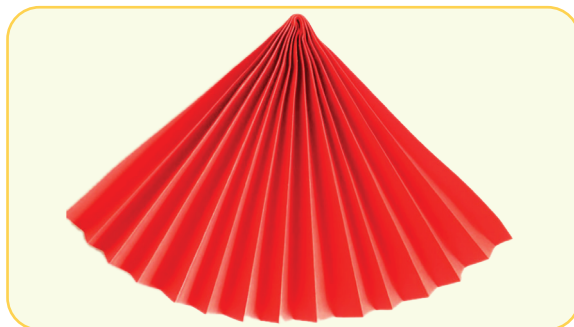
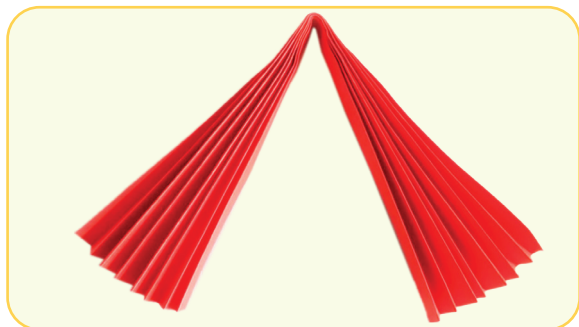
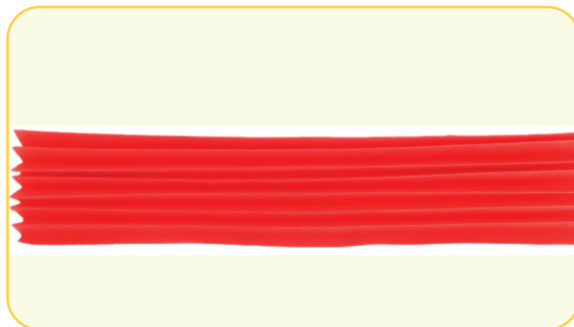
1. Iýmäge ýaramly kömelekler



2. Zäherli kömelekler



Kömelek ýasamak



Kömelegiň şekilini ýasamagy tamamlañ.

GURLUŞYKÇY KÄRI. JAYJAGAZ GURMAK

Eziz okuwçylar!



Göge direlýän binalary, mekdepleri, keselhanalary, dynç alyş mesgenlerini haýsy käriň eýeleri gurýar?



Gurluşykçy – konstruktor-inženerleriň taslamasy esasynda desgalary gurýan käriň eýesi.



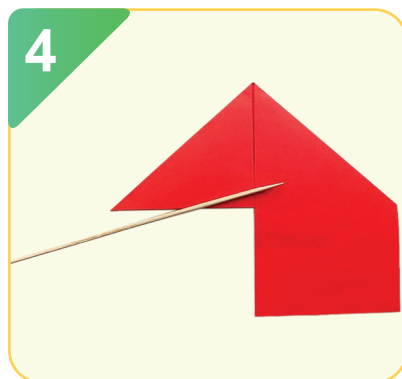
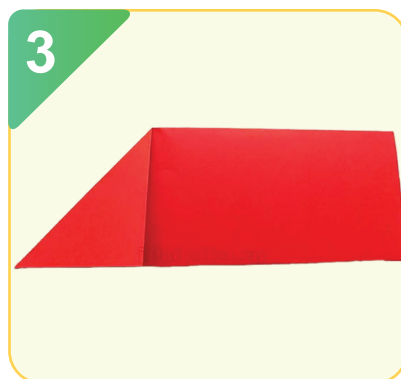
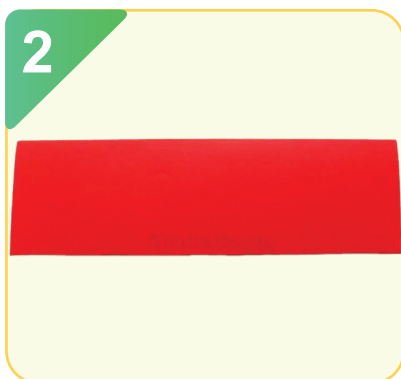
Gurluşykçy bolmak üçin nämeleri bilmeli?

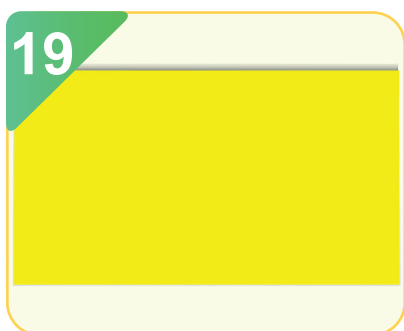
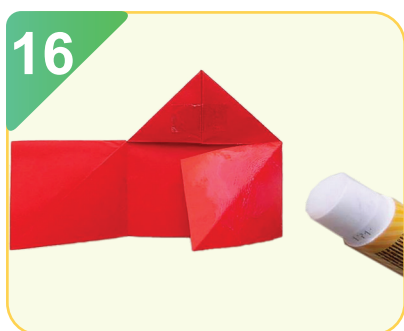
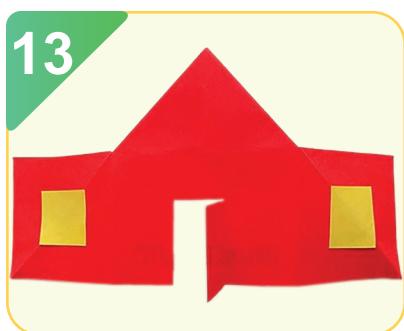
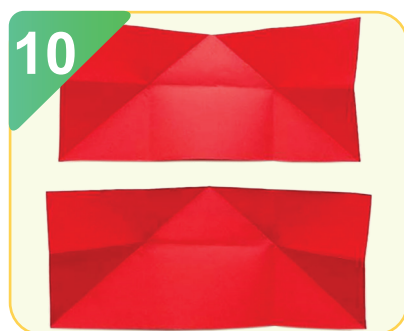


Aşakdaky suratlar esasynda gurluşykçy kärine düşündiriş beriň.



Kagyzdan öýjagazyň maketini ýasamak





Öýjagazyň maketini ýasamaga synanyşyň.

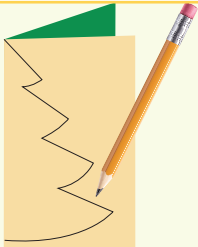
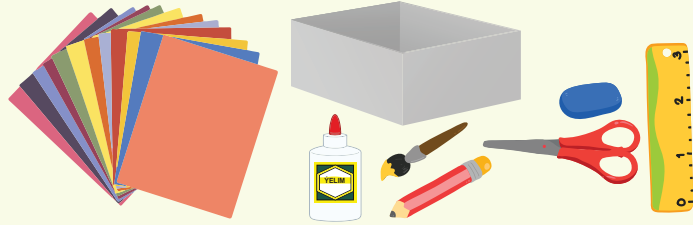
15—16-
njy
derslerDÜRLI KAGYZLARDAN TÄZE
ÝYL ARÇASYNY WE ONUŇ
BEZEGLERINI ÝASAMAK

Täze ýyl baýramynda arça bezelýär.

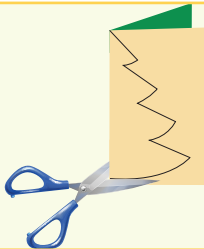
Ilki arça ýasaň. Arçany bezände özüňiz taýýarlan oýnawaçlardan peýdalanyň.



Arçany birnäçe usulda ýasamak mümkin. Biz munuň iki hili usulyna seredýäris.



Reňkli kagyzy iki epläp, galam bilen arçanyň şekilini çyzýarys.



Gaýçy bilen kontur çyzygy boýunça gyrkyp çykýarys. Prosesi iki gezek gaýtalaýarys.



Ýelimiň kömeginde arçalary ýapyşdyrýarys. Lentadan ilgençek taýýarlap, ony ýelim bilen arça ýapyşdyrýarys.

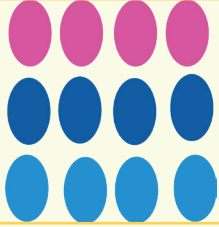


Dürli reňkli sapaklardan gar tozgajyklaryny ýa-da ýagyş damjalaryny ýasaýarys.

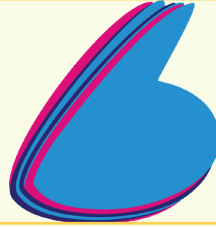


Arça ýelim çalyp, çalnan ýelimiň üstüne gar tozgajyklaryny sepip çykýarys.

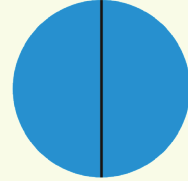
Arça üçin oýnawaçlar ýasamak



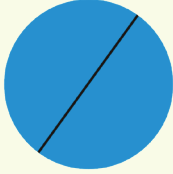
Gerekli şekilleri kesip alýarys.



Şekili deň ikä epleýäris.



Birinji şekiliň bir tarapyny ikinji şekiliň bir tarapyna ýelimleýäris.



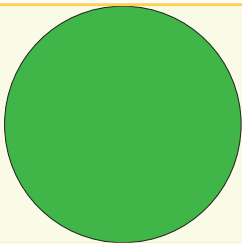
Artykmaç ýelimleri mata bilen süpürýäris.



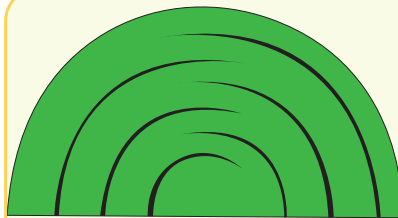
Şekiliň arasyňy açýarys.



Arça asmak üçin taýýar oýnawaja ýüpi ýelimleýäris.



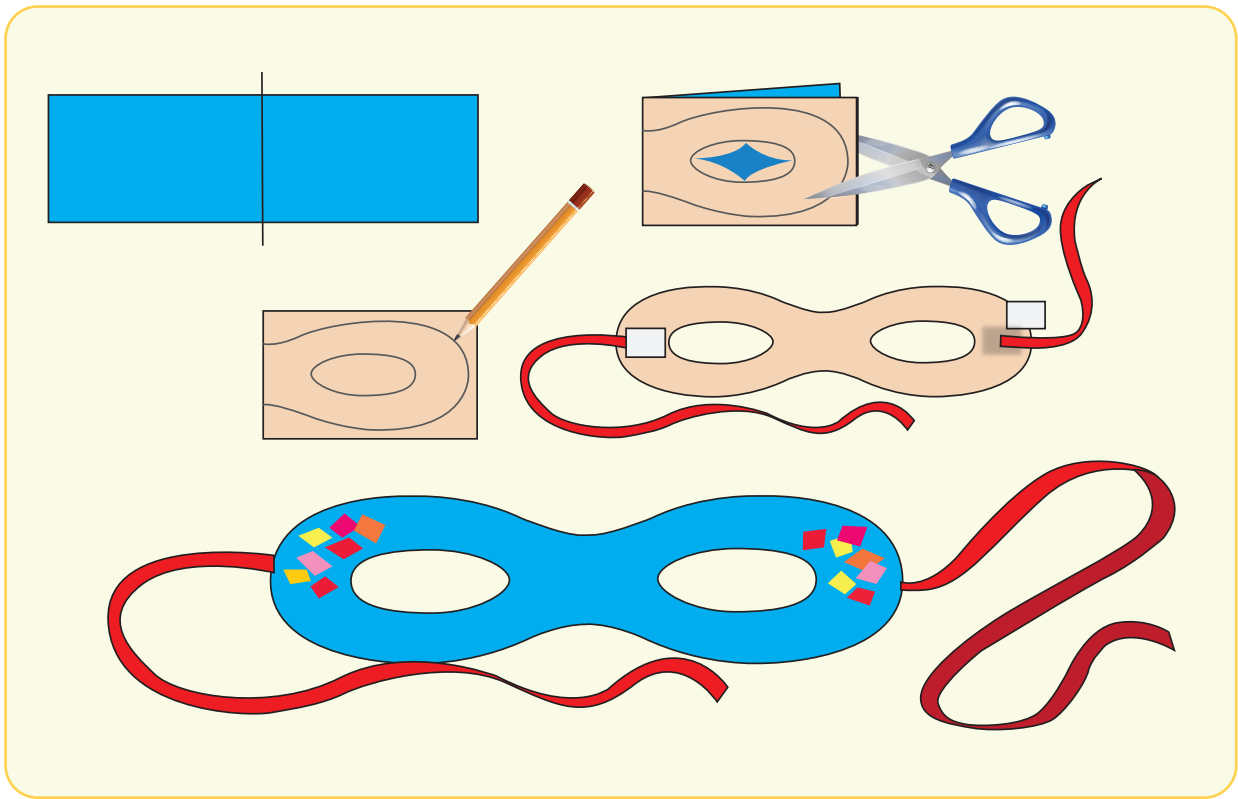
Şekili kesip alýarys we deň ikä epleýäris.



Teswir esasynda çyzyk çyzýarys we ony gyrkýarys.



Taýýar bolan oýnawaja ýüpi ýelimleýäris.



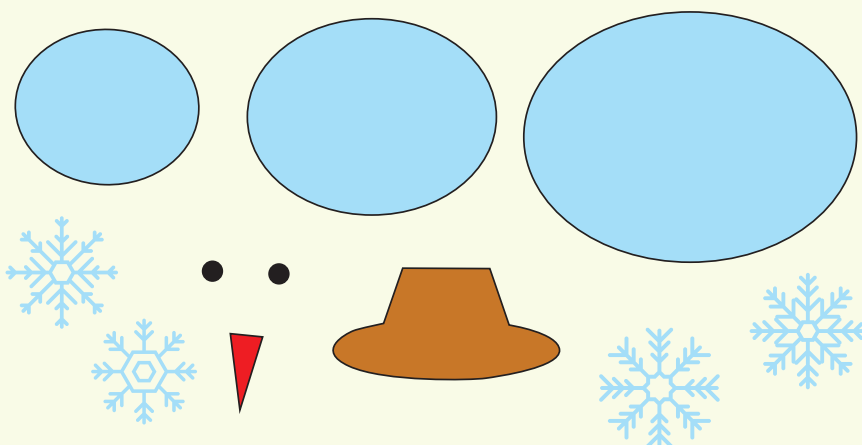
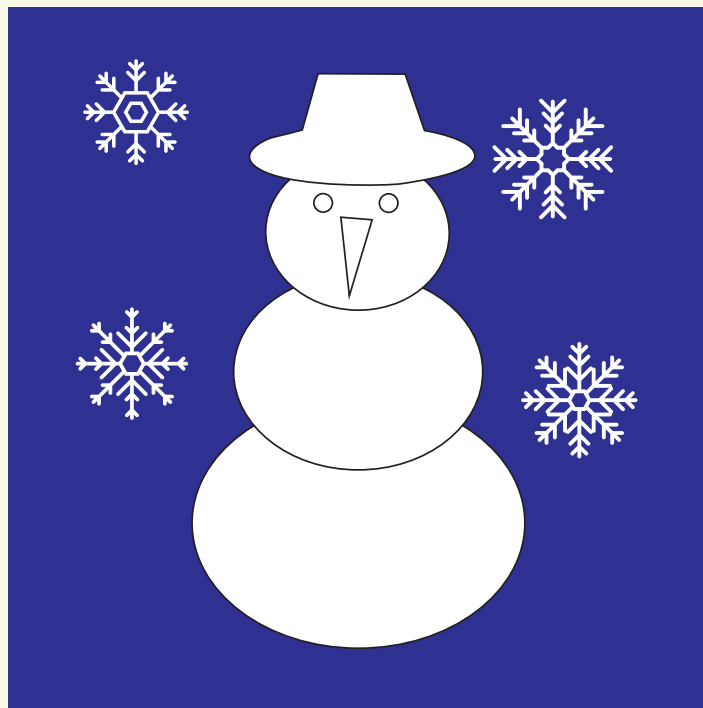
1. Karton kagyzy iki epläp, nykap äýnegiň suratyny çekýäris.
2. Gaýçy bilen kontur çyzyklar boýunça gyrkýarys.
3. Lentalary nykabyň ters tarapyna ýelimleýäris.
4. Dürli şekillerden peýdalanyp nykaby bezeýäris.



Täze ýyl baýramy üçin nykap ýasamaga synanyşyň.

APLIKASIYA USULYNDÄ GYŞYŇ GÖRNÜŞINI ÝASAMAK





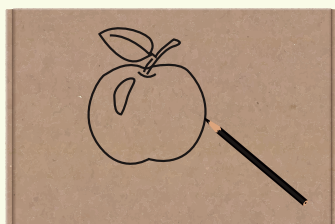
Özüňiz islän şekillerden peýdalanyp gysyň görnüşini dörediň.

MOZAIKA USULYNYDA ALMANYŇ ŞEKILINI ÝASAMAK

Mozaika dürli böleklerden şekil emele getirmekdir. Mozaikadaky şekiller reňkine we düzülişine görä bir-birinden tapawutlanýar.



Almanyň şekilini ýasamagyň tehnologiýasy



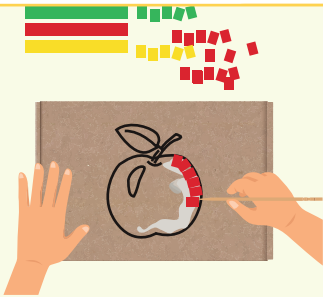
Kartonyň merkezine şablonyň kömeginde almanyň şekilini çyzýarys.



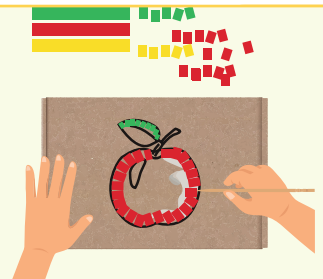
Gyzyl, sary, ýaşyl reňkli kagyzlary alyp, olary çetinden başlap birmeňzeş ölçegde maýdalaýarys.



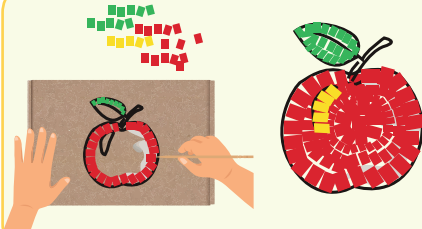
Kontur çyzygyndan çykmazdan PWA ýelimini ýuka edip çalýarys.



Maýdalanan kagyz böleklerini diş synçgasy bilen kontur boýunça ýapyşdyrýarys. Ýelimiň artykmajyny kagyz salfetka bilen alyp taşlaýarys.



Ýapraklaryny hem şu tertipde ýapyşdyrýarys. Soň almanyň ortasyny öz islegimize görä doldurýarys.



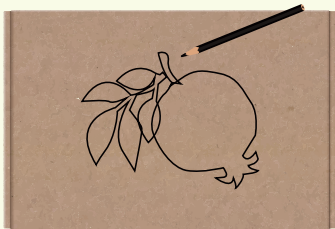
Taýýar bolan applikasiýany guradýarys.



Almanyň şekilini ýasamagy tamamlañ.

MOZAIKA USULYNDÄ
HURMANYŇ WE NARYŇ
ŞEKILLERINI ÝASAMAK

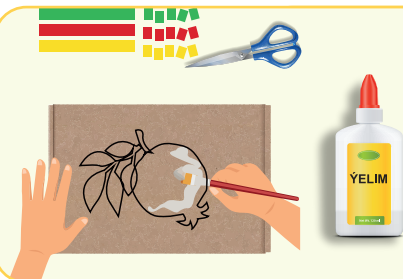
1. Naryň şekilini ýasamagyň tehnologiýasy



Kartonyň merkezine şablonyň kömeginde naryň şekilini çyzýarys.



Gyzyl, sary, ýaşyl reňkli kagyzlary alyp, olary gyrasyndan başlap birmeňzeş ölçegde maýdalaýarys.



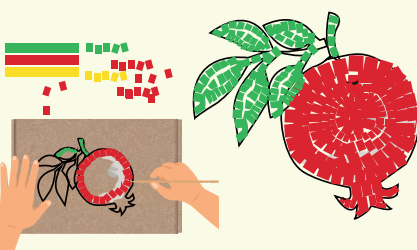
Kontur çyzygyndan çykmazdan PWA ýelimini ýuka edip çalýarys.



Maýdalanan kagyz böleklerini diň synçgasy bilen kontur boýunça ýapýşdyrars. Ýelimiň artykmajyny kagyz salfetka bilen alyp taşlaýarys.

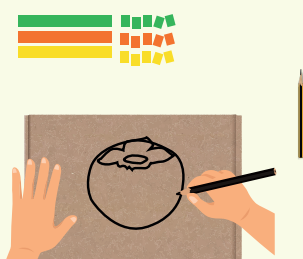


Ýapraklaryny hem şu tertipde ýapyşdyrýarys. Soň naryň ortasyny öz islegimize görä doldurýarys.



Taýýar bolan applikasiýany guradýarys.

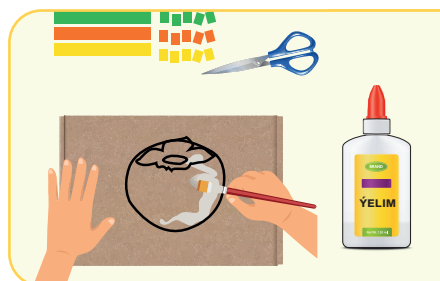
2. Hurmanyň şekilini ýasamagyň tehnologiýasy



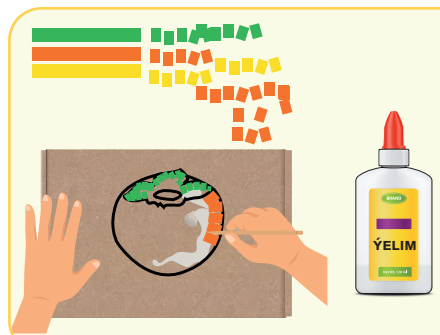
Kartonyň merkezine şablonyň kömeginde hurmanyň şekilini çyzýarys.



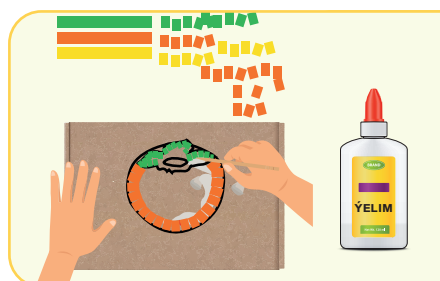
Mämişi reňk we ýaşyl reňkli kagyzlary alyp, olary çetinden başlap birmeňzeş ölçegde maýdalaýarys.



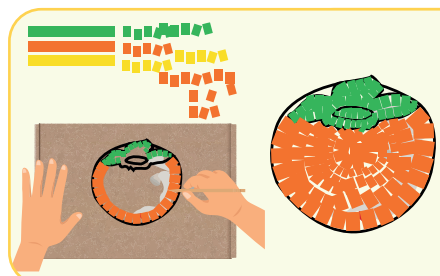
Kontur çyzygyndan çykmazdan PWA ýelimini ýuka edip çalýarys.



Maýdalananan kagyz böleklerini diş synçgasy bilen kontur boýunça ýapyşdyrýarys. Ýelimiň artykmajyny kagyz salfetka bilen alyp taşlaýarys.



Ýapraklaryny hem şu tertipde ýapyşdyrýarys. Soň hurmanyň ortasyny öz öz islegimize görä doldurýarys.



Taýýar bolan applikasiýany guradýarys.



Naryň we hurmanyň şekillerini ýasamagy tamamlañ.

20–21
-nji
dersler

“SEBETDÄKI MIWELER” TEMASYNDA KOMPOZISIÝA ÝASAMAK

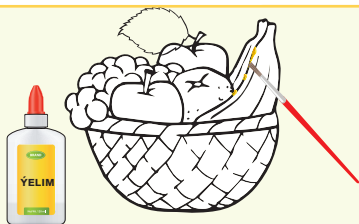
Sebetdäki miweleriň şekilini ýasamagyň tehnologiýasy



Kartonyň merkezine şablonyň kömeginde sebetdäki miweleriň şekilini çyzýarys.



Mämişi reňk we ýaşyl reňkli kagyzlary alyp, olary gyrasyndan başlap birmeňzeş ölçegde maýdalaýarys.



Kontur çyzygyndan çykmazdan PWA ýelimini ýuka edip çalýarys.



Reňkli kagyz böleklerini kontur boýunça ýapyşdyrýarys.



Taýýar bolan applikasiýany guradýarys.

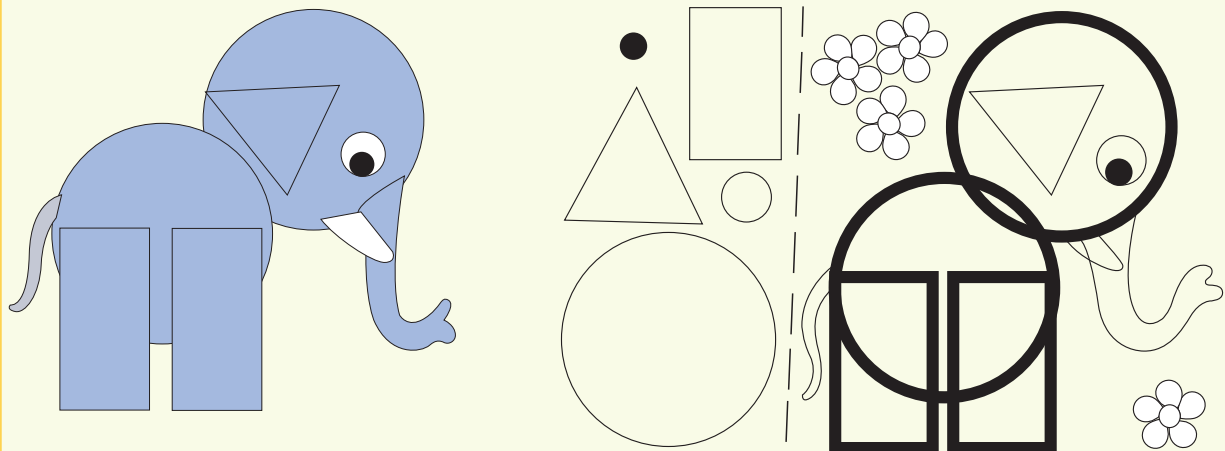


Sebetdäki miweler şekilini ýasamagy
tamamlaň.

PILIŇ WE ŽIRAFYŇ ŞEKILLERINI ÝASAMAK

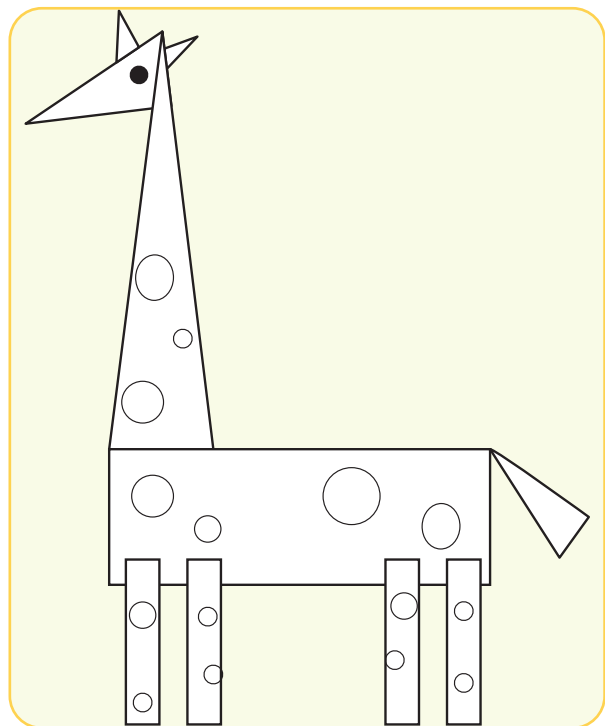
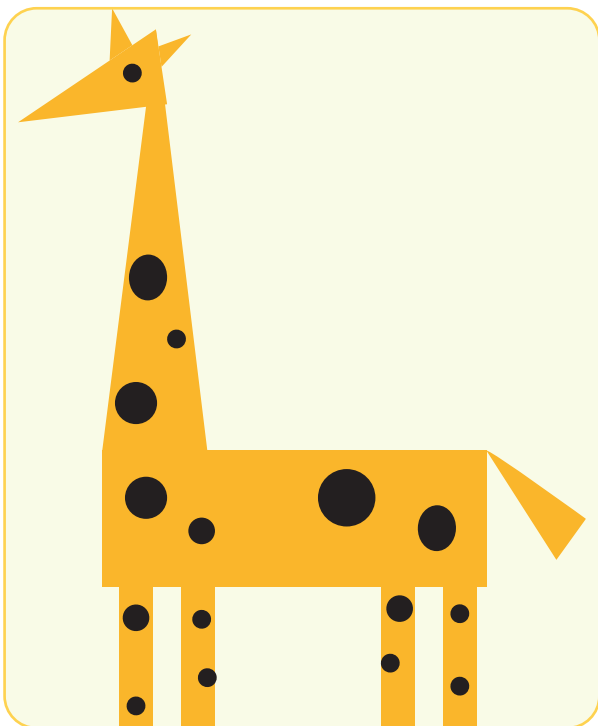
Piliň şekilini ýasamak:

1. Piliň beden we kelle bölekleri üçin kagyzdan iki tegelek şekilini gyrkyp alýarys.
2. Gulagy üçburçluk şeklinde, aýaklary dogry dörtburçluk şeklinde bolýar.
3. Egri we bezegli şekilleriň kömeginde guýrugy, bir jübüt iri dişi we hortumyny, uly we içi boýalan kiçi tegelejigiň kömeginde gözünü ýasaýarys.
4. Tegelejik şekillerden peýdalanyp gülleri özümiz oýlap tapýarys.



Žirafyň şekilini ýasamak:

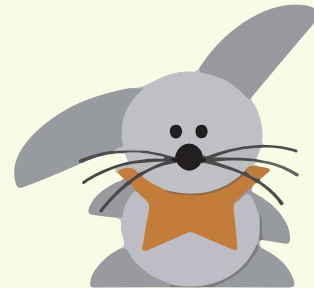
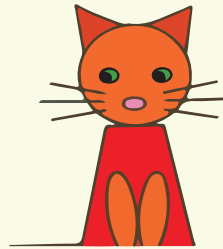
1. Žirafyň boýny, kellesi, guýrugy, gulaklary üçburçluk şeklinde, bedeni we aýaklary bolsa dogry dörtburçluk şeklinde bolýar.
2. Bedenini tegelejikler bilen bezeýäris.



Piliň we žirafyň şekillerini ýasamagy tamamlañ.

23-nji
ders

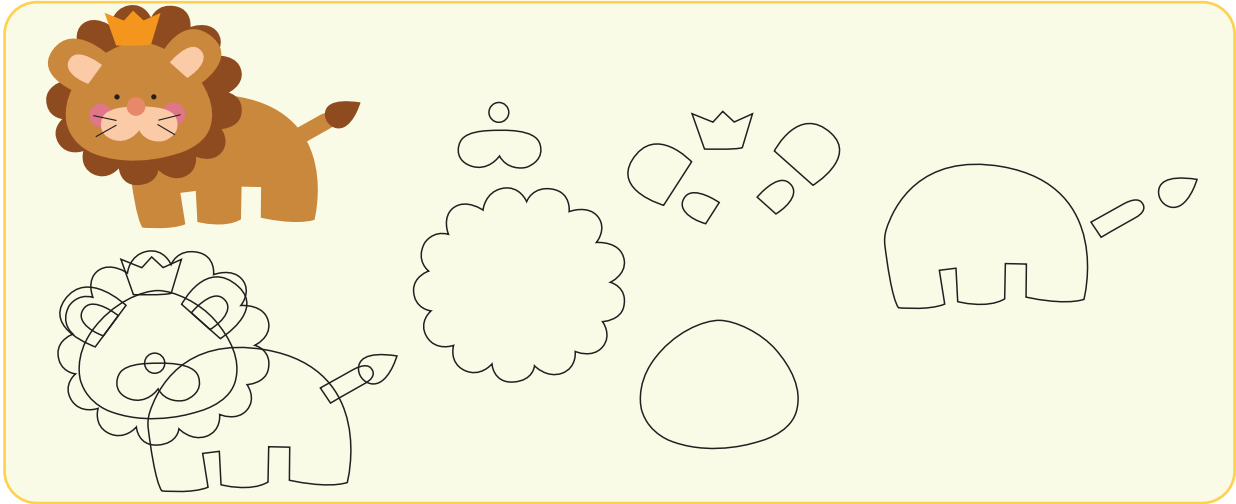
“HAÝWANAT BAGY” TEMAŞYŇDA KOMPOZISIÝA ÝASAMAK



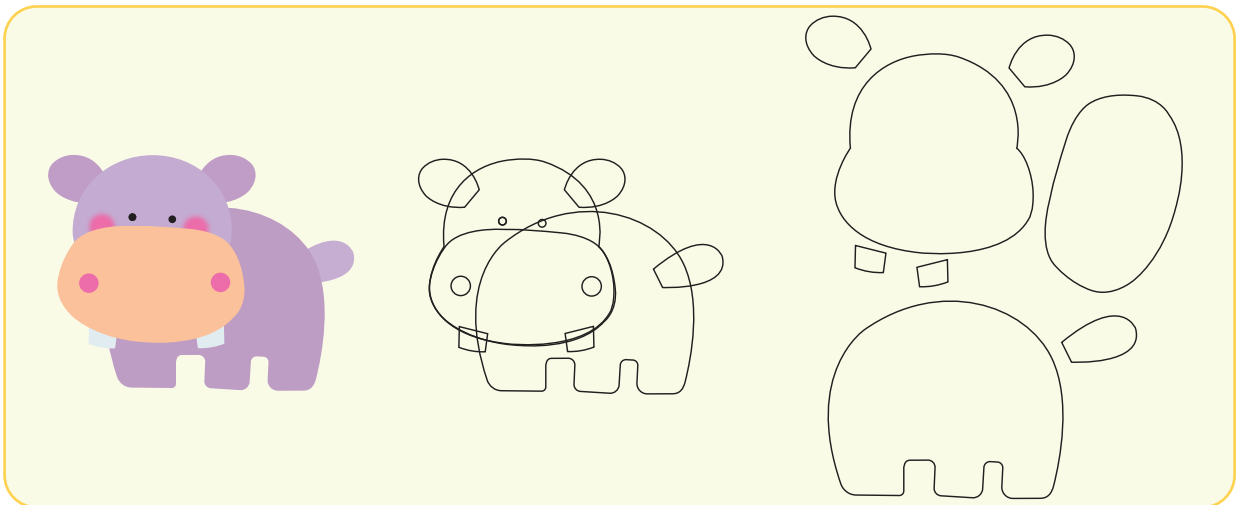
Belkanyň şekilini ýasamak



Şiriň şekilini ýasamak



Begemotyň şekilini ýasamak



“Haýwanat bagy” temasynda kompozisiýany tamamlañ.

KAGYZLY LENTADAN ULY GÖWRÜMLI GÜLÜŇ ŞEKILINI ÝASAMAK

1-nji usul. Reňkli kagyzlardan uly göwrümlü gül ýasamak



2-nji usul. Gazet we žurnallaryň kömeginde uly göwrümlü gül ýasamak

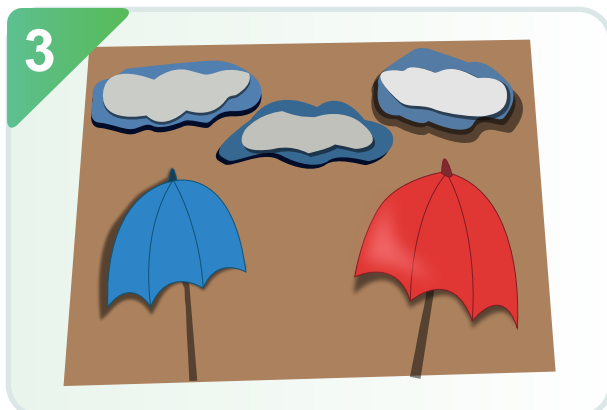
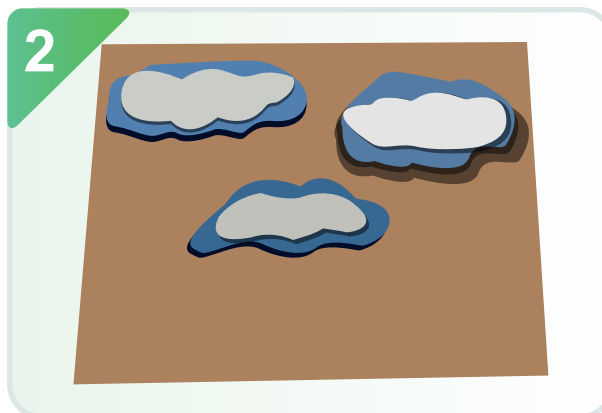
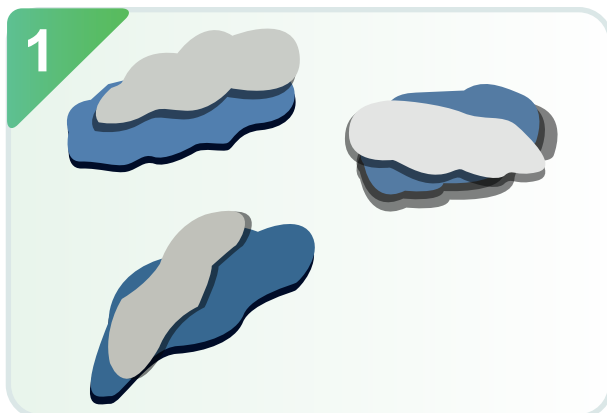




Uly göwrümlü gülüň şekilini ýasamagy tamamlan.



Kagyzy eplemek usulynyň kömeginde saýawan ýasamak





1. Reňkli kagyzy alýarys we galam bilen birmeňzeş şekilde 15 sany tegelejigi çyzýarys.

2. Tegelejekleri gaýçynyň kömeginde gyrkyp alýarys.

3. Olary deň ikä, soň ýene bir gezek deň ikä epleýäris. Netijede dört epin emele gelýär.



4. Eplenen ähli şekilleri ýelimiň ýa-da skotçyň kömeginde birbirine ýapyşdyrýarys.

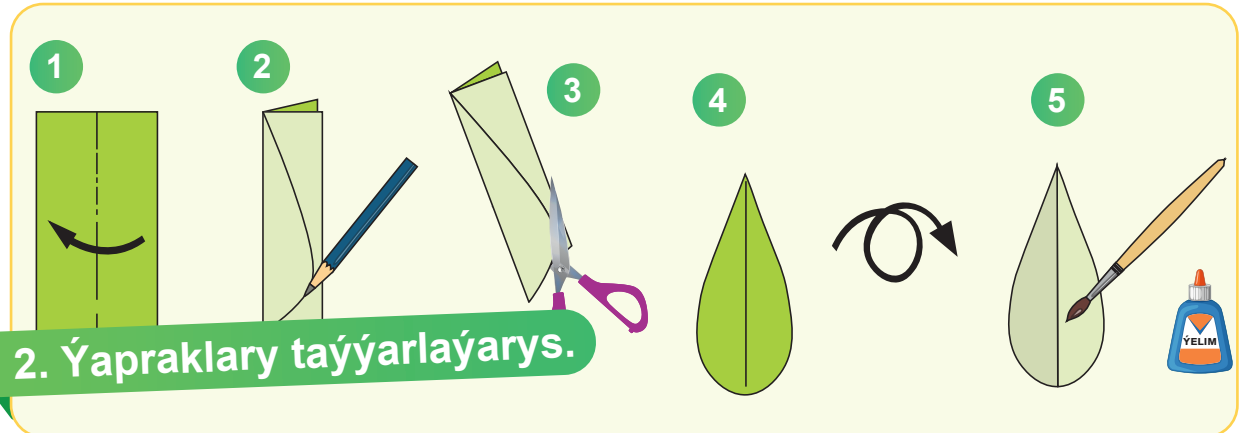
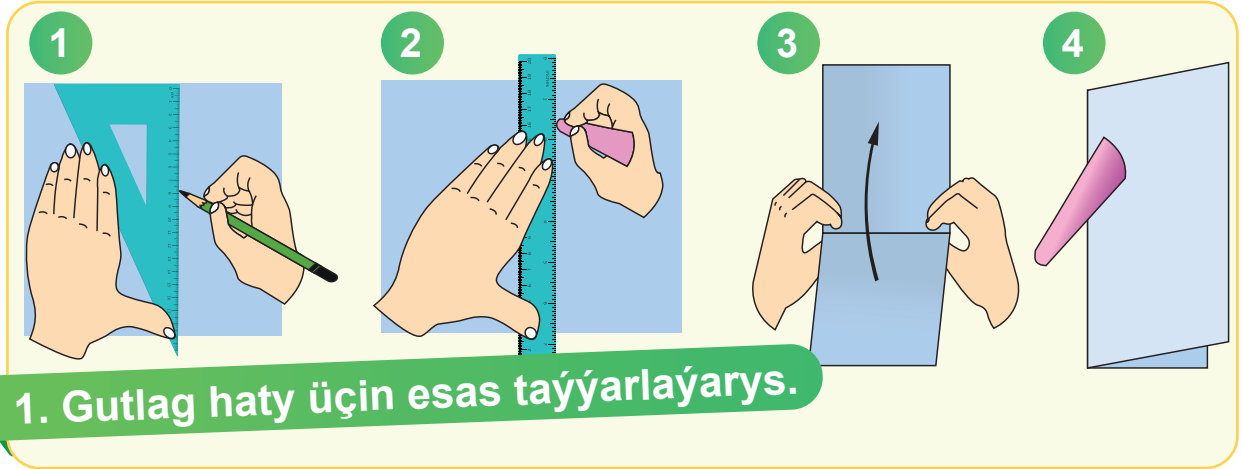
5. Olaryň arasyndan kokteýl naýyny geçirsek, kiçijik saýawan emele gelýär.

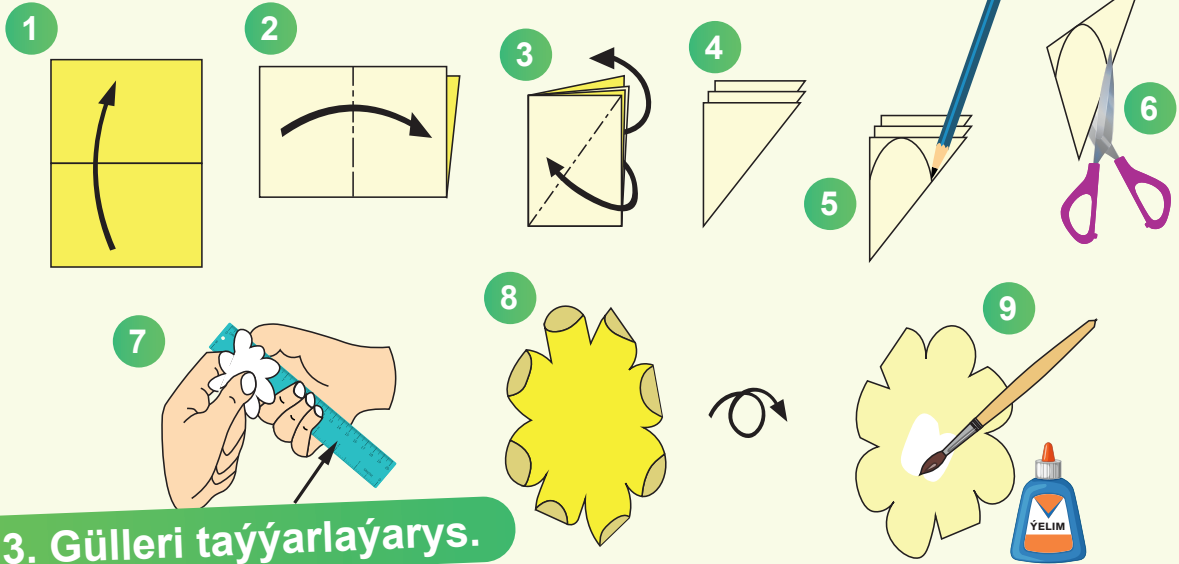


Taýýar bölekleri applikasiýa usulynda reňkli kartona ýelmäň.

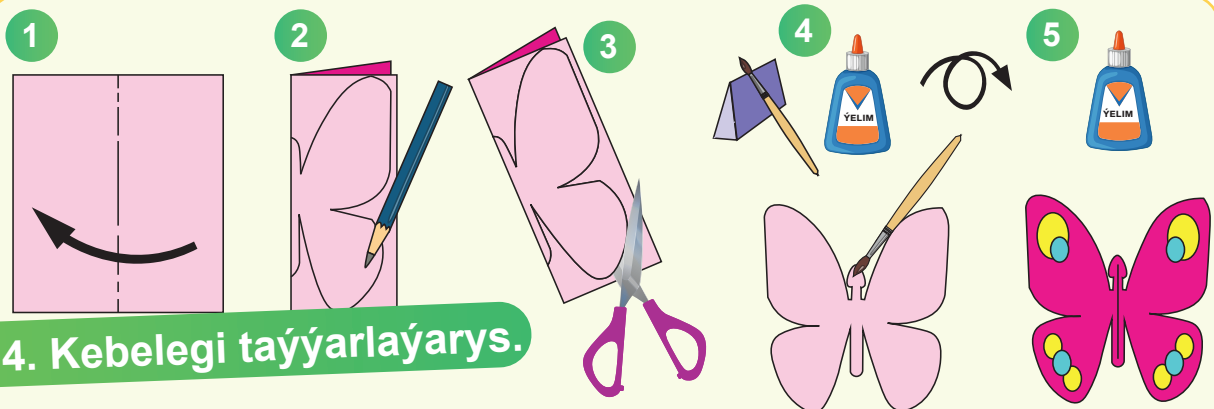
BARLAG IŞI. GUTLAG HATY ÝASAMAK

Baýrama gutlag haty taýýarlamak

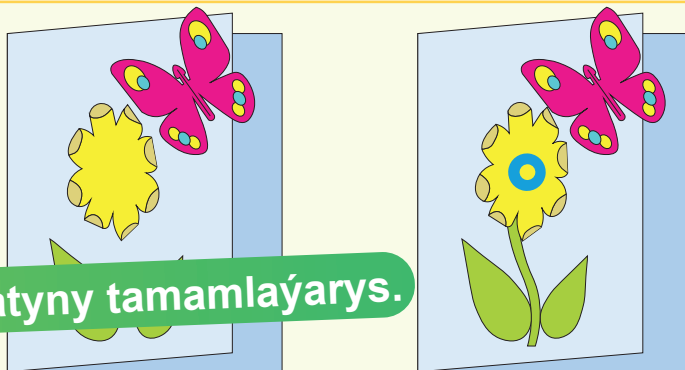




3. Gülleri taýýarlaýarys.



4. Kebelegi taýýarlaýarys.



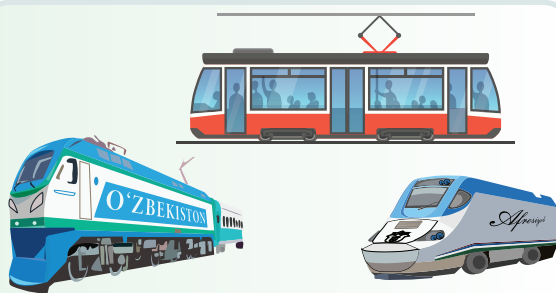
5. Gutlag hatyny tamamlaýarys.



Gutlag haty ýasamagy tamamlaň.

TRANSPORT GÖRNÜŞLERI WE ONUŇ ADAMYŇ DURMUŞYNDAKY ORNY

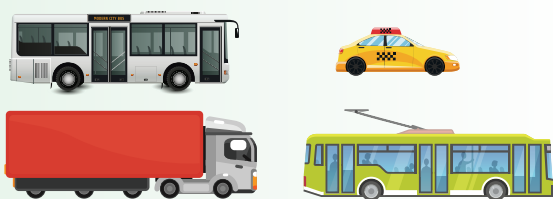
Transportyň görnüşleri



Demir ýol transporty



Suw transporty



Awtotransportlar



Howa transporty



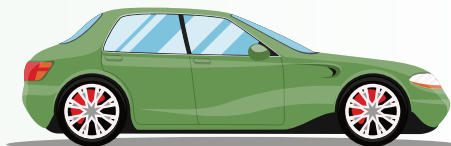
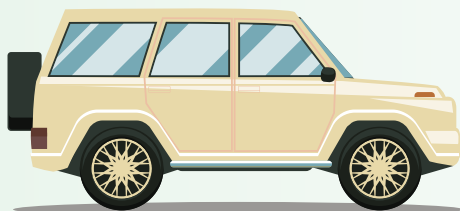
Siz haýsy transport görnüşinden köpräk peýdalanýarsyňyz?

KAGZY EPLEMEK USULYNYŇ KÖMEGINDE AWTOBILINIŇ ŞEKILINI ÝASAMAK

Awtotransportyň görnüşleri

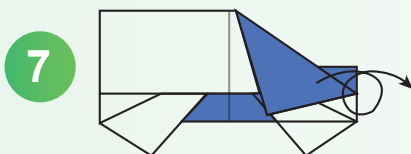
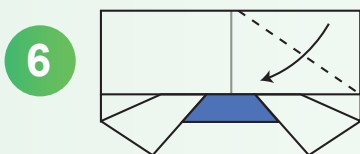
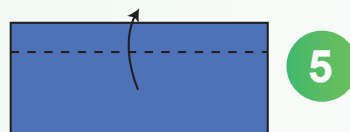
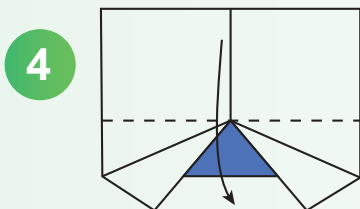
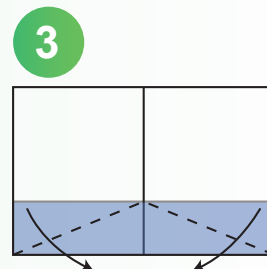
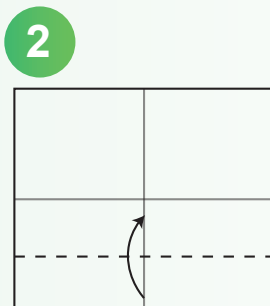
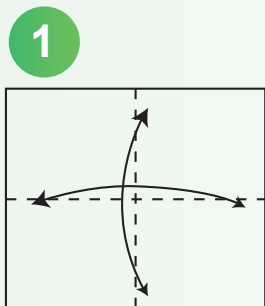
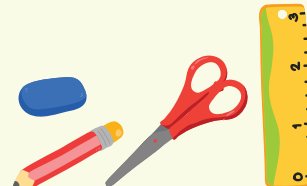


Ýük maşynlary



Ýeňil maşynlar

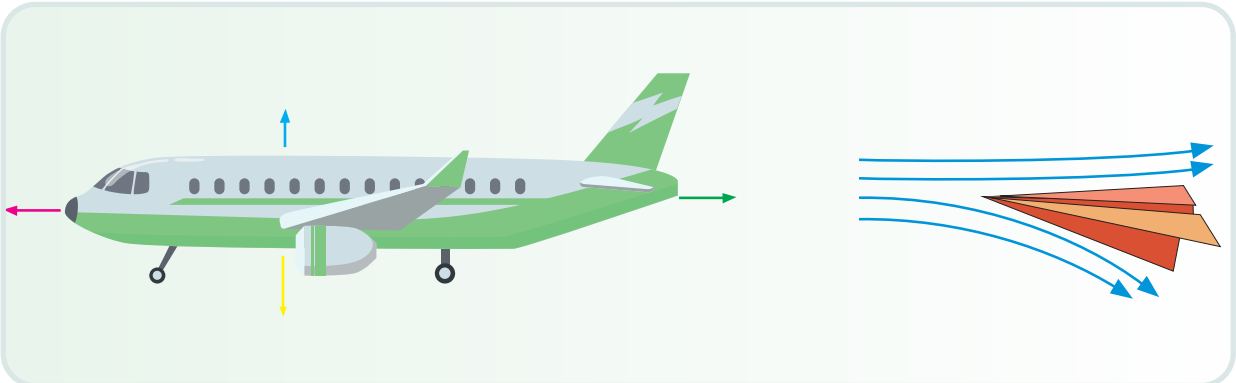
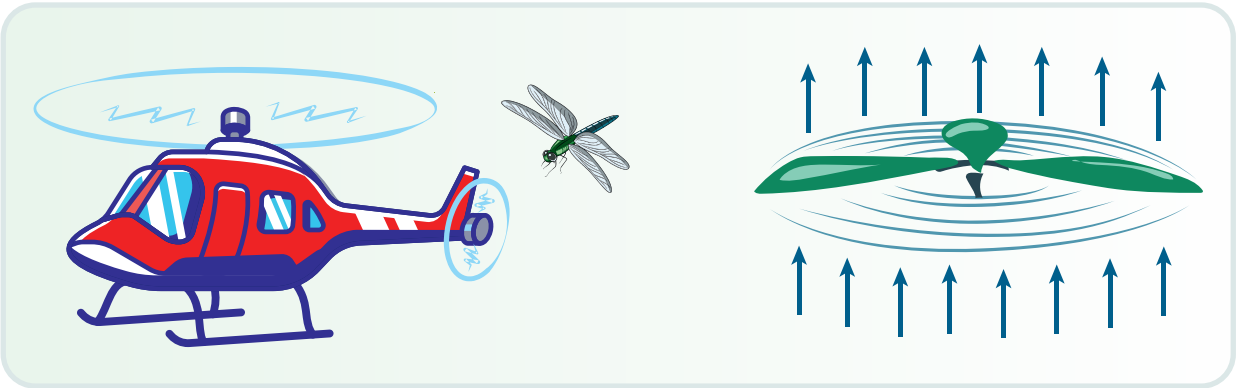
Origami usulynda awtomobil ýasamak



Kagyzy eplemek arkaly ýene nähili awtomobiliň modelini döretmek mümkin?

29-njy
dersKAGYZY EPLEMEK USULYNYŇ
KÖMEGINDE UÇARYŇ
ŞEKILINI ÝASAMAK

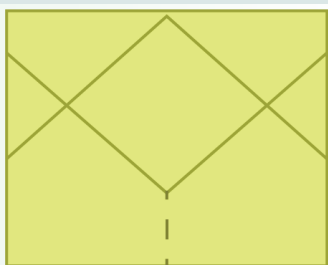
Uçuşy apparatlar nähili uçýar?



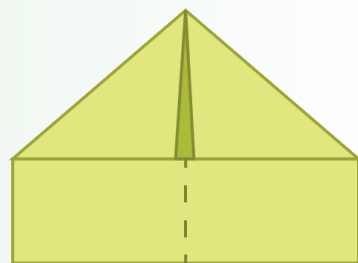
Origami usulynda uçar ýasamak



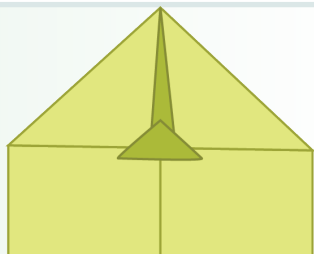
1



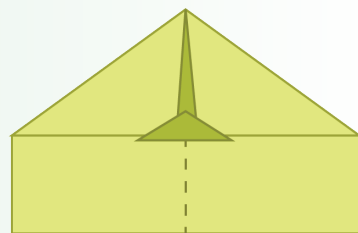
2



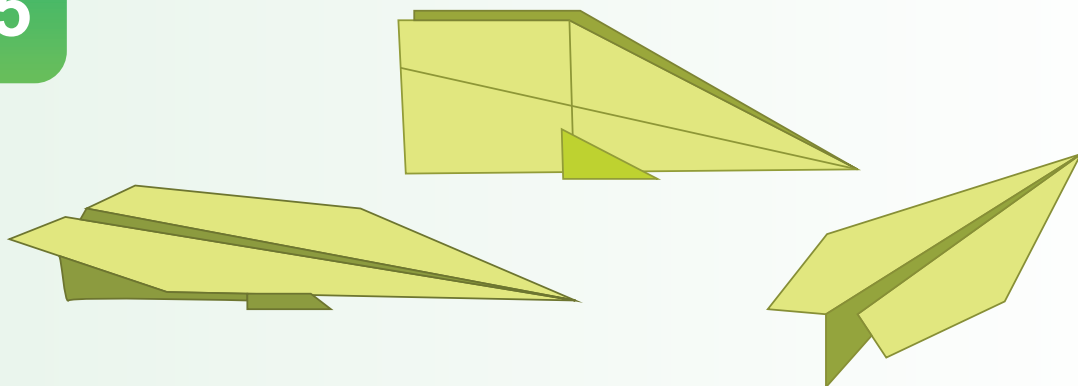
3



4



5

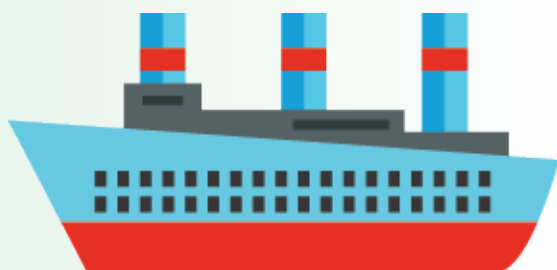


Uçaryň şekilini taýýarlaň.

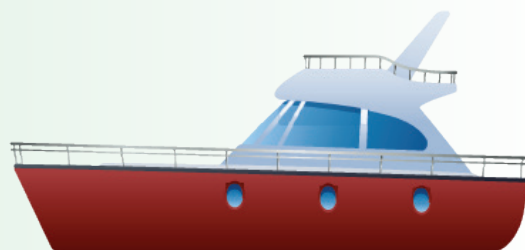
30-njy
ders

KAGZY EPLEMEK USULYNYŇ KÖMEGINDE GÄMINIŇ ŞEKILINI ÝASAMAK

Suw transportynyň görnüşleri



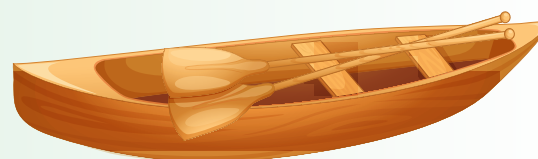
Teplohod



Kater



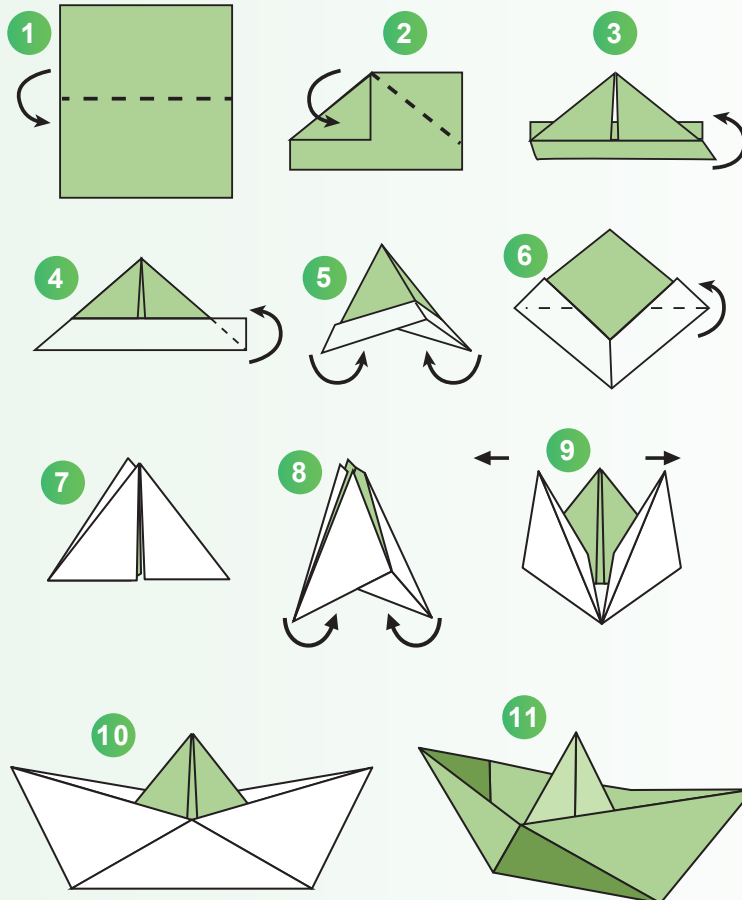
Laýner



Gaýyk



Origami usulynda gämi ýasamak



Gämäni applikasiýa usulynda ýasamaga synanyşyň.

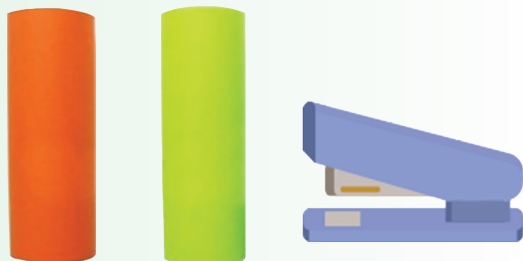
31-nji
ders

BARLAG IŞI

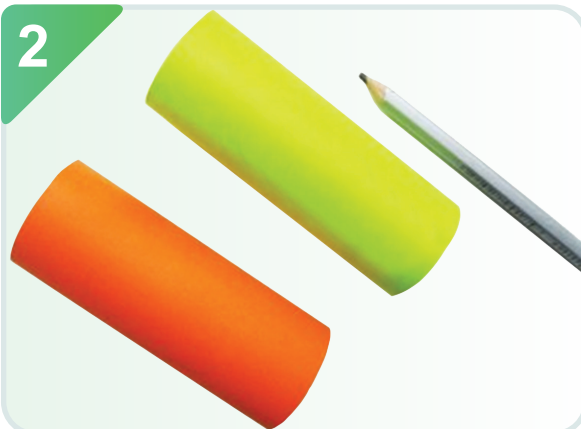
Çapşyk awtomobilini ýasamak



1



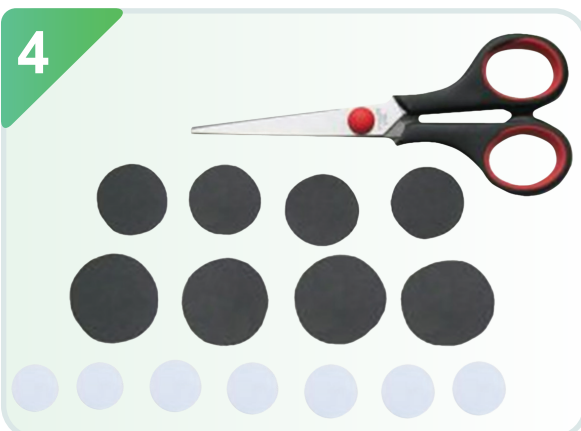
2



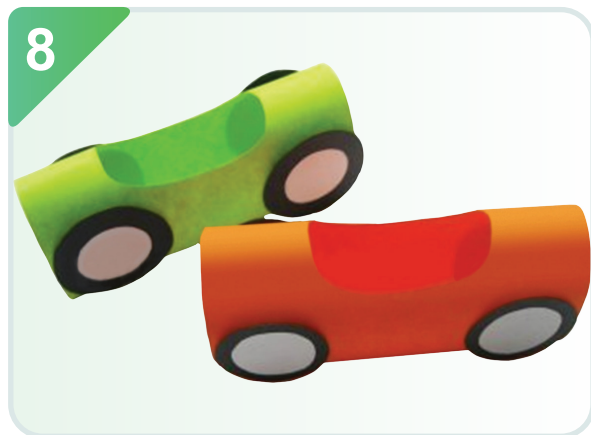
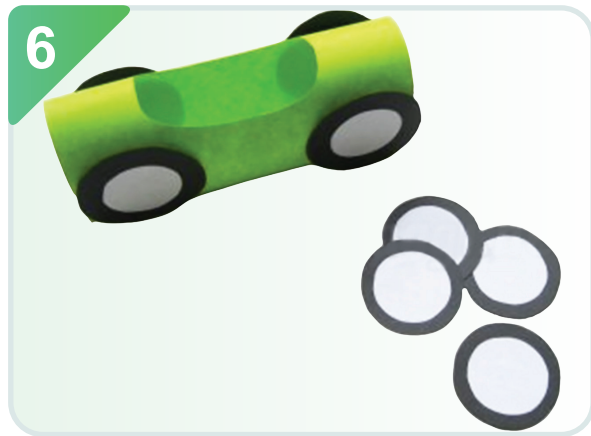
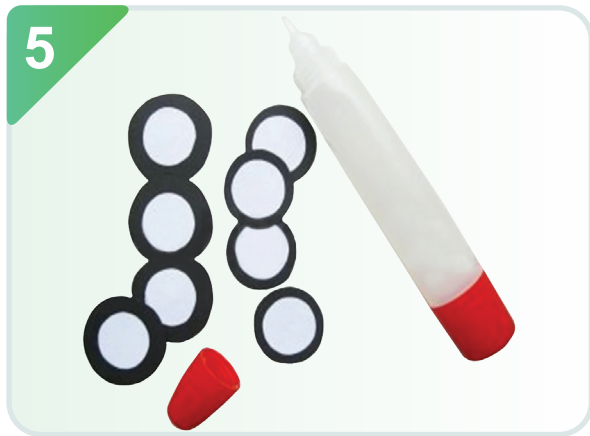
3



4



31-nji DERS



Origami usulynda özüňiz islän transport görnüşini ýasaň.

32–33-
nji
dersler

“JADYLY ILIKLER” TEMASYNYDA KOMPOZISIÝA ÝASAMAK

Ilik kiçi ölçegdäki enjam bolup, gaty materiallardan taýýarlanýar. Iliklerden ähli geým görnüşleri, aýakgaplar hem-de başga zatlaryň böleklerini özara birikdirmekde peýdalanylýar.

Iligiň görnüşleri



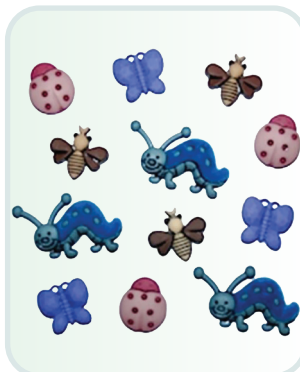
Reňkine görä



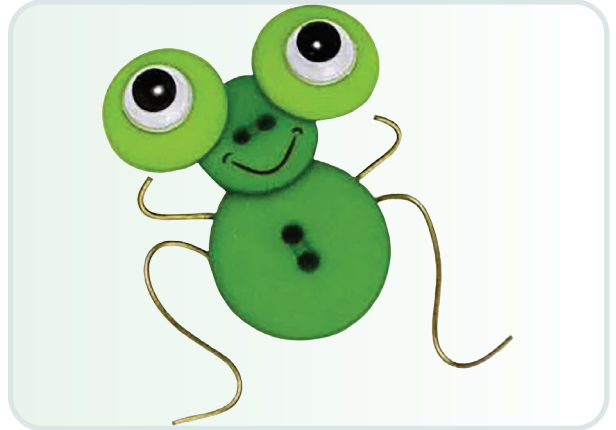
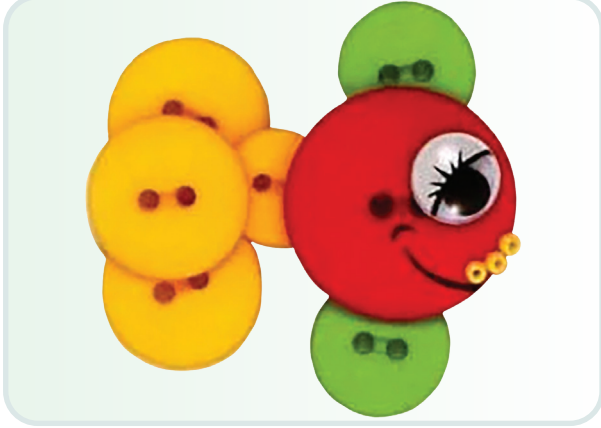
Şekline görä



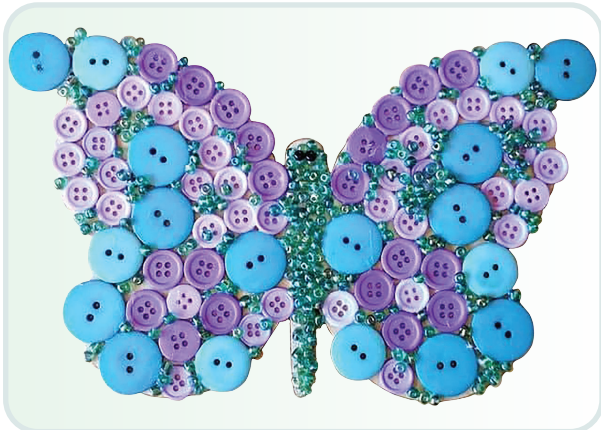
Ölçegine görä

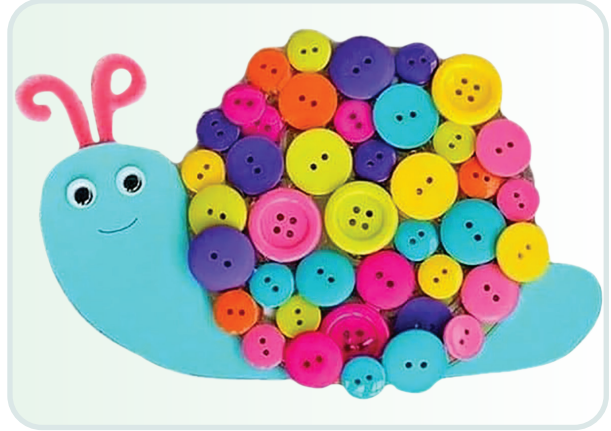
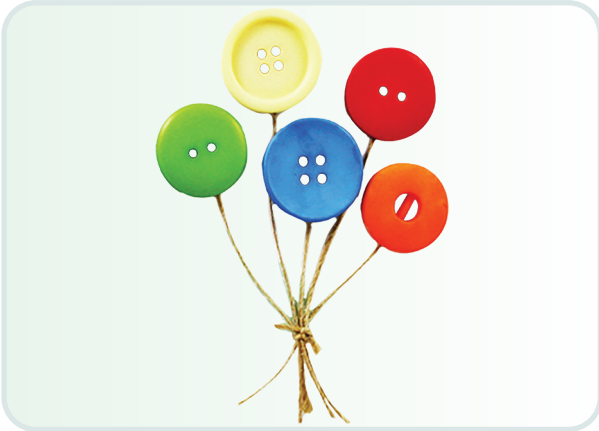
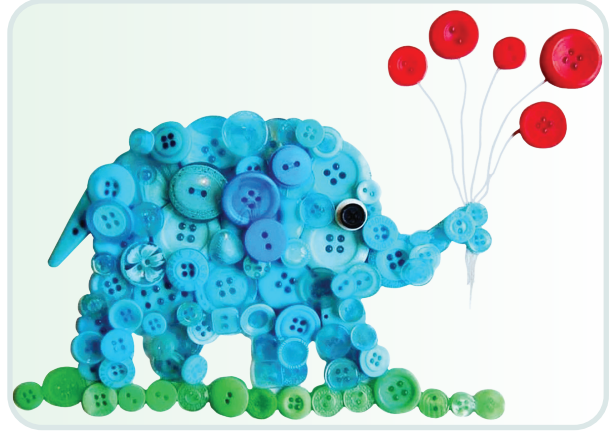


Ilklerden dürli şekilleri emele getirmek



Ilklerden kompozisiýa ýasamak





Ilklerden özüňiz islän şekilleri ýasaň.

ISBN 978-9943-7298-9-6

UO'K 37.016:331(075.3)
KBK 74.263ya71
M 51

O'quv nashri

Dilbar Miraxmedova, Zulfizarxon Shamsiyeva

TEXNOLOGIYA

(Turkman tilida)

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

Terjime eden Şirinjan Abdullaýewa

Redaktor Gülbahar Abdullaýewa

Dizayner Olowiddin Sabyr ogly

Suratçylar Kamoliddin Nurmanow, Gülmira Utekulowa

Tehniki redaktor Şahruh Turahanow

Sahaplaýjy Kabul Raufow

Korrektor Muhabbat Hallyýewa

Çap etmäge 2021-nji ýylyň 00-nji awgustynda rugsat edildi. Möçberi 60×84 1/8.

Arial garniturasy. Kegli 16. Ofset çap ediliş usuly. Şertli çap listi ____.

Neşirýat-hasap listii ____ . 1 453 nusgada çap edildi. Buýurma № ____.

“Kolorpak” JÇJ çaphanasynda çap edildi.

Daşkent şäheri, Ýunusabat tümeni, Ýangışäher köçesi, 1-A öý.



COLORPACK