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# Ojibwe Primitives Cheat Sheet



<p>announce</p>	<p><b>wiindamaagen</b></p>	<p>WIINDAMAAGEN <i>ezhibii'igaadegin</i>  nagwatoon izhichigewin imaa makakoosung  Apane go aabadad gagwedwewin, nakwetan, giishpin.</p> <p>wiindamaagen [aanjitakokiin]</p>
<p>answer</p>	<p><b>nakwetan</b></p>	<p>NAKWETAN  dibaajimon gaa-ishkwaa-izhibii'igeyan makakoosung  Apane go aabadad wiindamaagen, gagwedwewin, nakwetan, giishpin.</p> <p>giishpin nakwetan = "maajiigi [eniginid enigokwaag + 1]</p>
<p>ask</p>	<p><b>gagwedwen</b></p>	<p>GAGWEDWEN <i>miskwaadesi_gaye_gaa-ozhibii'igeyan-wiinzowin</i>  <i>ezhibii'igaadegin</i>  GAGWEDWEN <i>wiizowinan ezhibii'igaadegin</i>  izhichigewinan andone'ang nitam waa-ozhitooyan ji-anokiimagad</p> <p>Apane go aabadad gakina_awiya, gaganoontan.</p> <p>gagwedwen [t1 t2 t3] [daanginan]</p>

bk back	<b>odaanaang</b>	<p>ODAANAANG <i>gikiniwaaajibii'igan</i> aazhebizh miskwaadesi.</p> <p>Apane go aabadad niigaan, daangibii'an, ne'iiwinikaaning, nama- jinikaan_ipizh, gibichii'_miskaadesi.</p> <p>miinawaa 4 [odaanaang 50 namajinikaan_ipizh 90]</p>
cg cleargraphics	<b>gaasiibii'an</b>	<p>GAASIIBII'AN gaayaasiibidood miinawaa ani-giwe miskwaadesi waa-onji-maajitaad Apane go aabadad biinitoon, endaad.</p> <p>gaasiibii'an</p>
clean	<b>biinitoon</b>	<p>BIINITOON gaa-ayaasiibii'igemagak, gaawiin bijinishkaasii miskwaadesi Apane go aabadad gaasiibii'an, endaad.</p> <p>biinitoon</p>
ct cleartext	<b>gaasiibii'an</b>	<p>GAASIIBII'AN mii iwe gaasiibii'igewin Apane go aabadad zaagijibii'an.</p> <p>text1, gaasiibii'an</p>
clickoff	<b>gaasiibizh</b>	<p>GAASIIBIZH dibishkoo madwe-waawaabiganoojii'igan miskwaadesi omaa, aatawe'igan giishpin waaskoneg.</p> <p>t2, gaasiibizh</p>

clickon	<b>daanginan</b>	DAANGINAN dibishkoo madwe-waawaabiganoojii'igan miskwaadesi omaa, mii dash owe ge-daangini- man miinawaa ji-waaskoned  t2, daanginan
colour	<b>enaandeg</b>	ENAAANDEG mii iwe daanginigan wiindamaagewin enaanded gikiniwaajibii'iganan  miinawaa 140 [onaabandan_enaandeg enaandeg + 1]
everyone	<b>gakina_awiya</b>	GAKINA_AWIYA <i>ezhibii'igaadegin</i> daanginan ji-izhibii'wadwaa ge-izhaawaad izhi-bebezhig ji-izhaawaad wiindamaagewin  gakina_awiya [desaashin -80 2]
fill	<b>mooshkinebii'an</b>	MOOSHKINEBII'AN mii iwe daanginigan ge-daanginiman waa-izhi-naagwatooyan gegoo Apane go aabadad onaabandan_enaandeg.  mooshkinebii'an
forever	<b>gaagigebatoon</b>	GAAGIGEBATOON <i>miivan_owee_ozhibii'iganan_aaniin_- nake_ge-apatood</i> mii iwe daanginigan maamawichigewin ji-aatawenigemagak. Apane go aabadad gaasiibizh, gibichitooon_gakina_gegoo.  t2, gaagigebatoon [niigaan 1 ne'iiwinikaaning 2]

<p>fd forward</p>	<p><b>niigaan</b></p>	<p>NIIGAAN <i>gikiwaajibii'iganan</i> wenji-niigaani-maajiishkaad. azheshkaa, ne'iiwinikaaning, namanjinike, bekaa Apane go aabadad odaanaang, daangibii'an, ne'iiwinikaaning, nama- jinikaan_ipizh, gibichii'_miskaadesi.</p> <p>miinawaa 4 [niigaan 50 ne'iiwinikaaning 90 gibichii'_miskaadesi 2]</p>
<p>freeze</p>	<p><b>gibichiin</b></p>	<p>GIBICHIIN <i>mazina'igani_gikinoowaajibii'iganan</i> GIBICHIIN <i>izhinikaazowinan</i> gakina gibichiiwin ingoji ji-izhaamagasinokin gibichiin "t1 gibichiin [button1 button2] gibichiin "page1</p>
<p>glide</p>	<p><b>desaashin</b></p>	<p>DESAASHIN <i>epiichibideg_gegoo</i> wenji-desaaashid miskwaadesi gaa-wiindamawad epiichi-bimibizod. Apane go aabadad ne'iiwinikaaning, namajinikaan_ipizh, gakina_awiya.</p> <p>gakina_awiya [desaashin 50 1]</p>
<p>heading</p>	<p><b>ezhaad</b></p>	<p>EZHAAD <i>ezhaad</i> giwiindamaago ezhaad miskwaadesi epiichaag digriis</p> <p>dazhizhaan ezhaad + 180</p>
<p>hidetext</p>	<p><b>gaadoon</b></p>	<p>GAADOON gaadoon makakoons</p> <p>gaadoon gibichii'_miskaadesi 30 naagotoon_ozhibii'iganan</p>

home	<b>endaad</b>	<p>ENDAAD  ipizh miskwaadesi naawibii'iganing [0 0] bazigwii'  Apane go aabadad biinitoon, gaasiibii'an.</p> <p>endaad</p>
ht hideturtle	<b>gaazh_miskwaadesi</b>	<p>GAAZH_MISKWAADESI  gaa-yaanaad miskwaadesiwan  Apane go aabadad mookinaago'_miskwaadesi.</p> <p>miinawaa 10 [mookinaago'_miskwaadesi gibichii'_miskaadesi 5  gaazh_miskwaadesi gibichii'_miskaadesi 5]</p>
if	<b>giishpin</b>	<p>GIISHPIN <i>miivan_owew_ozhibii'iganan_aaniin_nake_ge-apa-  tood</i>  oga-gwayakisidoonan giishpin debwed  Apane go aabadad gibichitoon, gibichitoon_gakina_gegoo.</p> <p>giishpin nakwetan = "ahaaw [dazhizhaan 15 niigaan 15]</p>
launch	<b>maajiishkaa</b>	<p>MAAJIISHKAA <i>miivan_owew_ozhibii'iganan_aaniin_nake_ge-  apatood</i>  bakaan izhichige dibishkoo gaa-nazhikewizimagak</p> <p>maajiishkaa [chopin]</p>
lt left	<b>namajinikaan_ipizh</b>	<p>NAMAJINIKAAN_IPIZH <i>gikiniwaajibii'igan</i>  epinaad miskwaadesiwan namanjinikaaning</p> <p>miinawaa 5 [niigaan 50 namajinikaan_ipizh 144]</p>

nextpage	<b>miinawaa_bezhig_mazina'igan</b>	MIINAWAA_BEZHIG_MAZINA'IGAN ji-naagwak nitam-mazina'igan (gwayak-oninan)  miinawaa_bezhig_mazina'igan
pd pendown	<b>daangibii'an</b>	DAANGIBII'AN ozhibii'iged miskwaadesi Apane go aabadad niigaan, odaanaang, ombin_ozhibii'iganaak, gaasiibi- i'iganaak, wenaabandang.  miinawaa 6 [ombin_ozhibii'iganaak niigaan 10 daangibii'an ni- igaan 10]
pe penerase	<b>gaasiibii'iganaak</b>	GAASIIBII'IGANAAK naazhikaa gaasiibii'iganaak Apane go aabadad niigaan, odaanaang, daangibii'an, ombin_ozhibii'i- ganaak, wenaabandang.  mooshkinebii'an gaasiibii'iganaak niigaan 50
prevpage	<b>nitam_mazina'igan</b>	NITAM_MAZINA'IGAN owe daangin ji-naagwak nitam-mazina'igan  nitam_mazina'igan
print pr	<b>zaagijibii'an</b>	ZAAGIJIBII'AN <i>ezhibii'igaadegin</i> zaagijibii'igese Apane go aabadad gaasiibii'an.  zaagijibii'an "Welcome

projectsize	<b>anokiinigokwaag</b>	ANOKIINIGOKWAAG mii imaa ji-naagwak enigokobii'igaadeg, ayaapii degokiid  naagotoon anokiinigokwaag
pu penup	<b>ombin_ozhibii'iganaak</b>	OMBIN_OZHIBII'IGANAAK awe miskaadesi ji-ozhibii'igesig Apane go aabadad niigaan, odaanaang, daangibii'an, gaasiibii'iganaak, wenaabandang.  miinawaa 6 [ombin_ozhibii'iganaak niigaan 10 daangibii'an ni- igaan 10]
question	<b>gagwedwewin</b>	GAGWEDWEWIN <i>ezhibii'igaadegin</i> ombishkaag makakoonsi-gagwedwewinan gaye ji-nakwetaman Apane go aabadad wiindamaagen, nakwetan, giishpin.  gagwedwewin [How's your day so far]
random	<b>wegodowen_igo</b>	WEGODOWEN_IGO <i>gikiniwaajibii'igan</i> wegodogwen igo izhichigewin gaangegoo (0) gikiniwaajibii'igan Apane go aabadad onaabandan_enaadeg, niigaan, odaanaang, ne'ii- winikaaning, namajinikaan_ipizh.  niigaan 20 + wegodowen_igo 30
remove	<b>aanjisidoon</b>	AANJISIDOOON <i>gaa-wiindaman</i> AANJISIDOOON <i>wiinzo-mazina'igan</i> gaasiibii'ige izhichigewin  aanjisidoon "t1

rename	<b>wiindan</b>	WIINDAN <i>gaa-wiindaman weshki-wiinzowin</i> ondaanjikaadaan wiindan "t1 "myfriend
repeat	<b>miinawaa</b>	MIINAWAA <i>gikiniwaajibii'igani ezhibii'igaadegin</i> daanginan aanjii-ikidowin ako-gikinawaajibii'igan izhichigewin Apane go aabadad niigaan, odaanaang, ne'iiwinikaaning, nama- jinikaan_ipizh, gibichii'_miskaadesi.  miinawaa 90 [odaanaang 40 niigaan 40 ne'iiwinikaaning 4]
rt right	<b>ne'iiwinikaaning</b>	NE'IIWINIKAANING <i>gikiniwaajibii'igani</i> na'iiwinikaaning ipizh miskwaadesi Apane go aabadad namajinikaan_ipizh, niigaan, odaanaang, wegodowen_i- go.  miinawaa 5 [niigaan 50 ne'iiwinikaaning 144]
say	<b>ikidon</b>	IKIDON <i>ezhibii'igaadegin</i> miinawaa ikido aazhawaadebii'igan wiidan "gaa-ozhibii'igeyan"  ikidon "hello ikidon [Hello world]
setbackground	<b>aanjinaagwatoon_ezhinaak- wak_odaanaang</b>	AANJINAAGWATOON_EZHINAAKWAK_ODAANAANG <i>gaa_wiinzo_e- naandeg_gaye_gikinawaajibii'igan</i> ge-wazhisidood ge-izhinaakwak odaanaang Apane go aabadad mooshkinebii'an.  aanjinaagwatoon_ezhinaakwak_odaanaang 18



setc setcolour	<b>onaabandan_enaandeg</b>	<p>ONAABANDAN_ENAANDEG <i>gaa-wiinzo-enaandeg_gaye_giki-nawaajibii'igan</i>  daanginan ge-inaandeg miskwaadesizhibii'igan  Apane go aabadad enigokwaakozid_ozhibii'iganaak, daangibii'an, mooshkinebii'an, niigaan, odaanaang.</p> <p>onaabandan_enaandeg 54</p>
seth setheading	<b>dazhizhaan</b>	<p>DAZHIZHAAN <i>gikinawaajibii'igan</i>  enaanded miskwaadesi gaye ozhibii'iganaak  Apane go aabadad niigaan, odaanaang, wegodowen_igo, wenaabandang.</p> <p>dazhizhaan -90</p>
setpense	<b>enigokwaakozid_ozhibii'iganaak</b>	<p>ENIGOKWAAKOZID_OZHIBII'IGANAAK <i>gikinawaajibii'igan</i>  odaanji-ozhibinaan miskwaadesiwan gaa-onji-inigokwaak beshaag</p> <p>Apane go aabadad daangibii'an, setcolour, niigaan, odaanaang.</p> <p>enigokwaakozid_ozhibii'iganaak 100</p>
setpos	<b>wenaabandang</b>	<p>WENAABANDANG <i>[x y]</i></p> <p>odipinaan miskaadesiwan x gaye y</p> <p>Apane go aabadad dazhizhaan, endaad, ezhinaagozid.</p> <p>wenaabandang [0 0]</p>

<p>setsh setshape</p>	<p><b>ezhinaagozid</b></p>	<p>EZHINAAGOZID <i>onadinigewin_gaa-wiindaman_gaye_gikinawaa-jibii'igan</i>  EZHINAAGOZID <i>izhinikaazowinan_gaye_gikinawaaajibii'iganan</i>  ge-iniginid miskaadesi ezhi-izhichiged niigaanbimose gaye azhe-bimose  Apane go aabadad niigaan, odaanaang, gibichii'_miskaadesi, dazhizhaan.</p> <p>ezhinaagozid 1  ezhinaagozid "cat  ezhinaagozid [1 2 3]  ezhinaagozid [cat1 cat2 cat3]</p>
<p>setsize</p>	<p><b>eniginid</b></p>	<p>ENIGINID <i>gikinawaaajibii'igan</i>  aanji-eniginid miskaadesi  Apane go aabadad enigokwaag, wegodowen_igo, onaabandan_enaandeg.</p> <p>eniginid 15</p>
<p>setx</p>	<p><b>wiindamaagowinx</b></p>	<p>WIINDAMAAGOWINX <i>gikinawaaajibii'igan</i>  wiindamaw ge-izhaad  Apane go aabadad wiindamaagowiny, gikinoo'igewin_x, endaad, wegodowen_igo.</p> <p>wiindamaagowinx 100</p>
<p>sety</p>	<p><b>wiindamaagowiny</b></p>	<p>WIINDAMAAGOWINY <i>gikinawaaajibii'igan</i>  ozhibii'igemagak gaye ikidowin  Apane go aabadad wiindamaagowinx, gikinoo'igewin_y, endaad, wegodowen_igo.</p> <p>wiindamaagowiny 100</p>

<b>show</b>	<b>naagotoon</b>	NAAGOTOON <i>ezhibii'igaadegin</i> dibaajimo epiichaag Apane go aabadad zaagijibii'an.  naagotoon "hello naagotoon [hello there] naagotoon pos
<b>showtext</b>	<b>naagotoon_ozhibii'iganan</b>	NAAGOTOON_OZHIBII'IGANAN ipizhinoo'igan makakoonsing ge-izhi-biinjibii'igeng  naagotoon_ozhibii'iganan
<b>size</b>	<b>enigokwaag</b>	ENIGOKWAAG dibaajimo eniginid miskwaadesi  miinawaa 12 [eniginid enigokwaag + 5 gibichii'_miskaadesi 5]
<b>st showturtle</b>	<b>mookinaago'_miskwaadesi</b>	MOOKINAAGO'_MISKWAADESI Mii owe miskwaadesi Apane go aabadad gaazh_miskwaadesi.  t1, miinawaa 5 [ht gibichii'_miskaadesi 5 mookinaago'_miskwaadesi gibichii'_miskaadesi 5]
<b>stamp</b>	<b>daangibii'igan</b>	DAANGIBII'IGAN mii iwe miskwaadesiwidaanginigan atoon gaa-azhe-izhichigeyan  miinawaa 10 [daangibii'igan niigaan 40]

stop	<b>gibichitoo</b>	GIBICHITOO Gibichitoo. Aabajitoo proosidirs eta Apane go aabadad giishpin, gibichitoo_gakina_gegoo.  giishpin :number > 100 [gibichitoo]
stopall	<b>gibichitoo_gakina_gegoo</b>	GIBICHITOO_GAKINA_GEGOO Gibichii gaa-izhichiged. Mii eta go geyaabidak waa-izhichiged. Apane go aabadad giishpin, gibichitoo.  gibichitoo_gakina_gegoo
tto talkto	<b>gaganoontan</b>	GAGANOONTAN <i>miskwaadesi_gaye_wiinzo-izhibii'igan</i> GAGANOONTAN <i>wiinzowinan</i> Onoondaanan ikidowin maagizhaa bezhig maagizhaa niizh. Naagwad ikidowin opik-wanaang. Apane go aabadad gakina_awiya.  gaganoontan [t1 t2 t3] gaganoontan "text1
unfreeze	<b>bagidinan</b>	BAGIDINAN <i>gaa-wiindaman_gaye_mazina'iganigikinoowaajibi-i'iganan</i> BAGIDINAN <i>wiinzowinan</i> gaawin geyaabi bagakibii'igaadesinoo, izhibii'iganimakak, miskwaadesi, zhooshkwajigan, gakina gegoo ji-aabajitooyan waawaabiganoojiinyigan bagidinan "t1 bagidinan [button1 button2 ]

wait	<b>gibichii'_miskaadesi</b>	<p>GIBICHII'_MISKAADESI <i>gikiwaaajibii'iganan</i>  mii ozhitoonyan bekaa jibwaa-gibichiiyan  Apane go aabadad niigaan, odaanaang, ne'iiwinikaaning, nama-  jinikaan_ipizh, miinawaa.</p> <p>gaagigebatoon [eniginid 40 gibichii'_miskaadesi 2 eniginid 20  gibichii'_miskaadesi 2]</p>
word	<b>ikidowin</b>	<p>IKIDOWIN <i>ikidowin_gaye_waa-ozhibii'igeyan_bezhig ikidow-  in_gaye_waa-ozhibii'igeyan_two</i>  owe dibaajimomagad eyaad miskwaadesi x.  naagotoon ikidowin "hel "lo</p>
xcor	<b>gikinoo'igewin_x</b>	<p>GIKINOO'IGEWIN_X  izhichige enaad ji-izhichiged x  Apane go aabadad naagotoon.</p> <p>miinawaa 360 [wiindamaagowinx gikinoo'igewin_x + 5]</p>
ycor	<b>gikinoo'igewin_y</b>	<p>GIKINOO'IGEWIN_Y  izhichige enaad ji-izhichiged y  Apane go aabadad naagotoon.</p> <p>miinawaa 360 [wiindamaagowiny gikinoo'igewin_y + 5]</p>