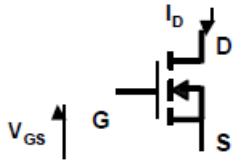
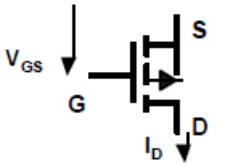
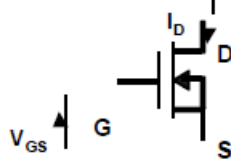
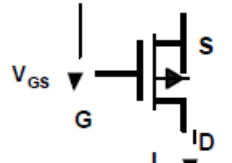


PILOTER les MOS

<http://www.thierry-lequeu.fr/data/Gonthier/MOS02.pdf>

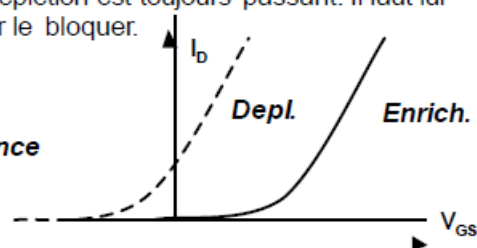
	
MOS N à enrichissement Mise en conduction $V_{GS} > 0$	MOS P à enrichissement Mise en conduction $V_{GS} < 0$

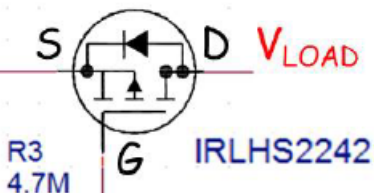
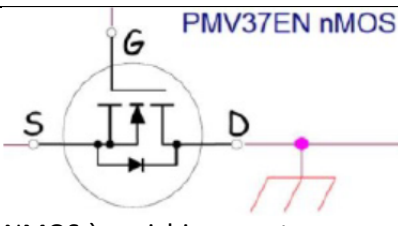
	
Mos canal N à déplétion (appauvrissement)	Mos canal P à déplétion (appauvrissement)

MOS à déplétion :

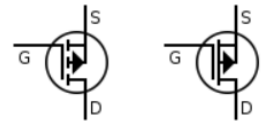
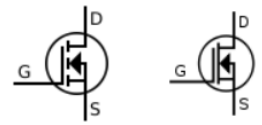
Contrairement au MOS à enrichissement, le MOS à déplétion est toujours passant. Il faut lui appliquer une tension de grille négative (canal N) pour le bloquer.

Transconductance canal N:



 R3 4.7M PMOS à enrichissement	 NMOS à enrichissement
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MOSFET type	$V_{GS} = +ve$	$V_{GS} = 0$	$V_{GS} = -ve$	
N-Channel Depletion	ON	ON	OFF	
N-Channel Enhancement	ON	OFF	OFF	
P-Channel Depletion	OFF	ON	ON	
P-Channel Enhancement	OFF	OFF	ON	

enrichissement appauvrissement

Légende: D: Drain - S: Source - G: Grille