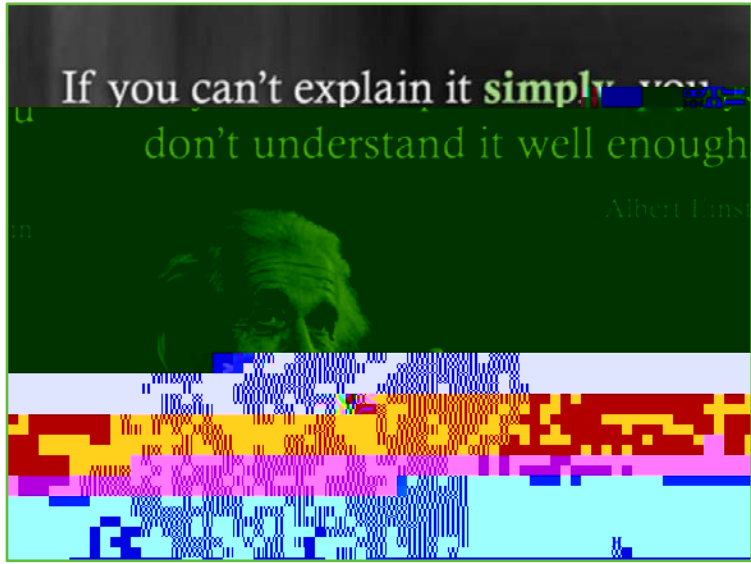


- 
- !"#\$%&' ()%""\*
  - + , - # . / \* # , 0 \* 1 2 3 3 \* 4 \$ % 5 \*  
2 6 5 0 \$ 7 8 0 "" # 9 : \*
  - ; - ( < - 3 7 "" 3 \*  
= % "" / 7 & 0 \$ - ) % "" / \*
  - > % ' \$ \* ? - # 0 \$ 7 - @ / A \*
  - B 0 / ' @ # / : \*
  - = % "" ( @ / 7 % "" \*



# Let's talk SCIENTIFIC

- + , - # \* & % \* / ( 70 " ) / # / \* & % : \*
- + , 0 \$ 0 \* - \$ 0 \* # , 0 C : \*
- + , - # \* # C 5 0 / \* % D \* / ( 70 " ) / # / \*  
- \$ 0 \* E 0 : \*
- F % E \* & % 0 / \* # , 1 / \* # C 5 0 \* % D \*  
/ ( 70 " ( 0 \* - G 0 ( # \* C % ' : \*



let's talk

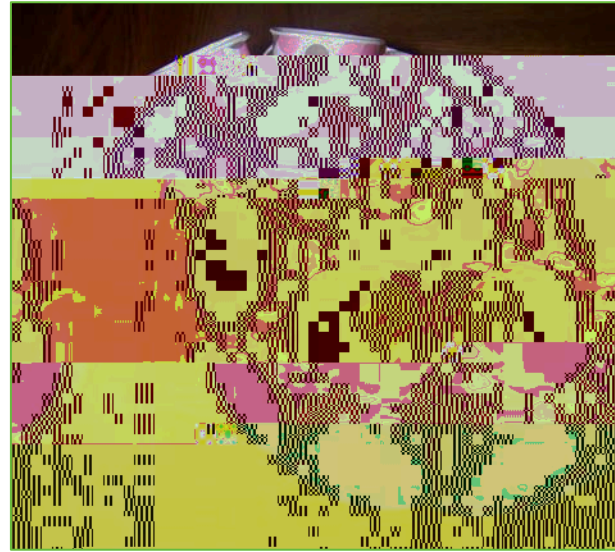


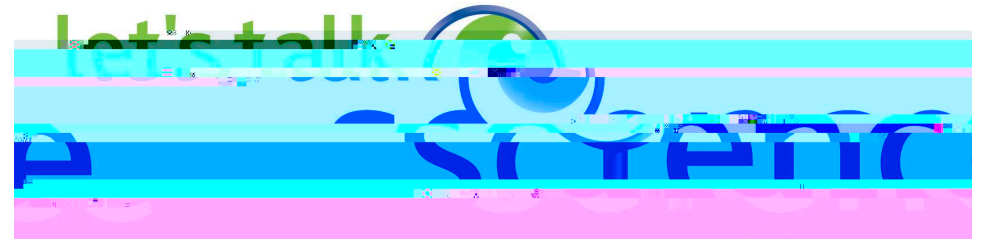
SCIENTIFIC

- H\*(@//7(\*/(70" (0\*  
5\$%10(#J\*

\*

- ! "#\$%&' \$( ) \* + , # \$ " \$  
\* % \* - ) . \$ - / " - \$ O + 1 1 \$  
2 3 & - ) 4 - \$ " # \$ ) , , \$ 5 3 & . \$  
" \$ 5 " 1 1 6 \$





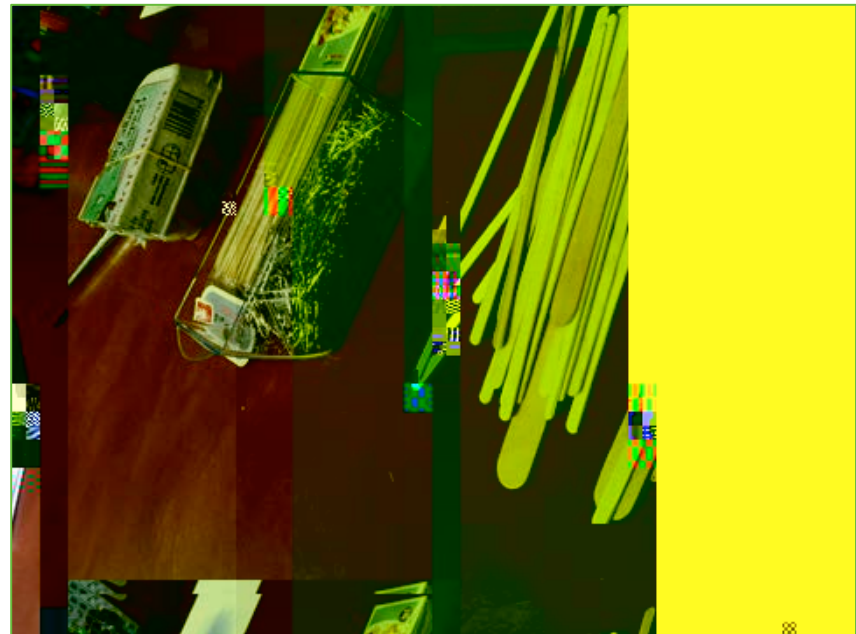
- $H/\%80\#, 1'' 3^*D-@/\#\%*\#, 0^*3\$\%' '' \&K^*7\#/500\&/^*' 5^*$   
-  $'' \&^*3-1'' /^*$
- $L, 1/^*0'' 0\$\$3C^*, -/^*\#*\%*MO^*-M/\%\$MO\&*MC^*\#, 0^*$   
 $/\#\$' (\#'\ \$0^*C\%' *(\$0-\#0^*\#*\%*5\$\%#0(\#*\#, 0^*033N^*$





- 0\*#%" 3' 0\*&05\$0//%\$/\*
- 0\*5-50\$\*(@5/\*
- H\*5@-/) (\*M-3\*
- P\*5750\*(@-" 0\$/\*
- 0\*/#C\$%D%-8\*(, 75/\*
- 0\*5%5/7(@0\*/) (</\*
- Q\*/#\$-E/\*
- Q\*\$' MMO\$\*M-" &/\*\*
- R%80\*/#\$7" 3\*

- H\*M%S@0\*D\*3@ 0\*
- P\*033/\*TU\*D%\$\* -\*  
5\$-() (0\*\$' "K\*-" &\*U\*  
D%\$\*C%' \$\*V" -@#0/#JW\*

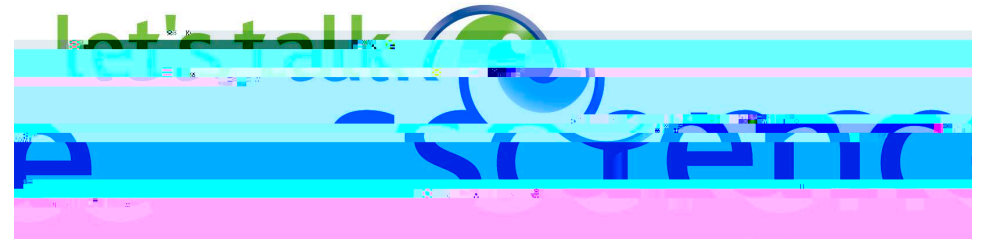


- >% ' \* , -X0\*PY\*87''' #0/\*  
#%\*(%80\*' 5\*E7#, \*-''&\*<br>M' 7@&\*C%' \$\*/#\$' (#' \$0J\*  
\*

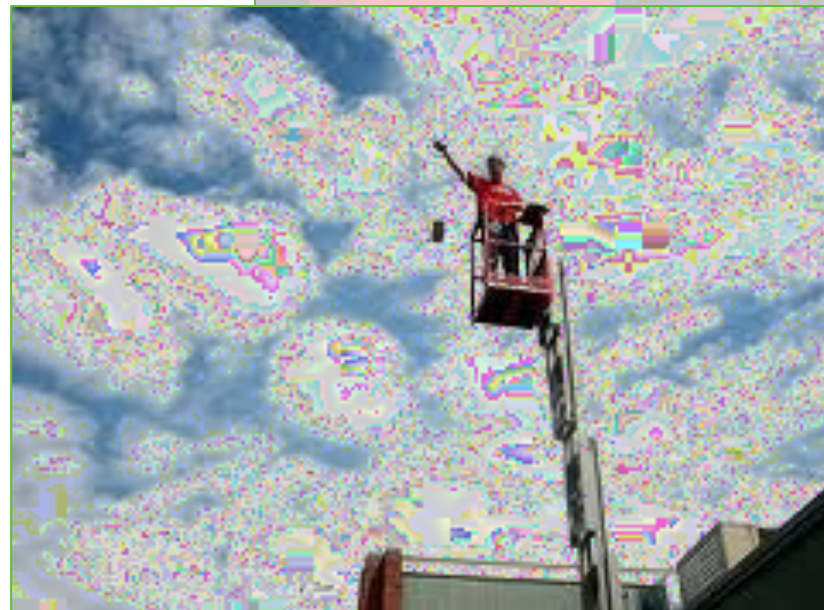
- L\$C\*#%\*&%-@\*#, 0\*3@ 7''3\*  
\$73, #\*-E-C\*/%\*#, -#\*C%' \$\*  
/#\$' (#' \$0\*7/\*&\$C\*-''&\*<br>/#\$%" 3\*E, 0''\*C%' \*&\$%5\*  
7#N\*

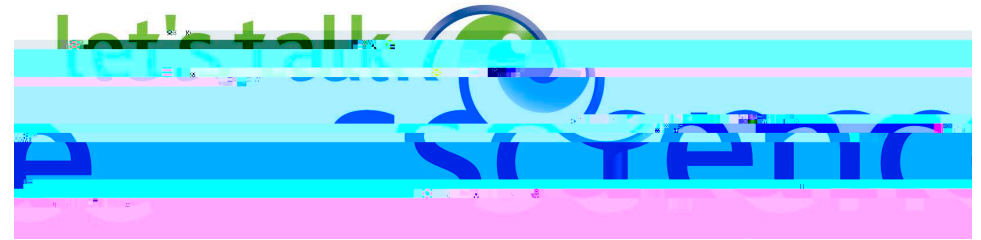






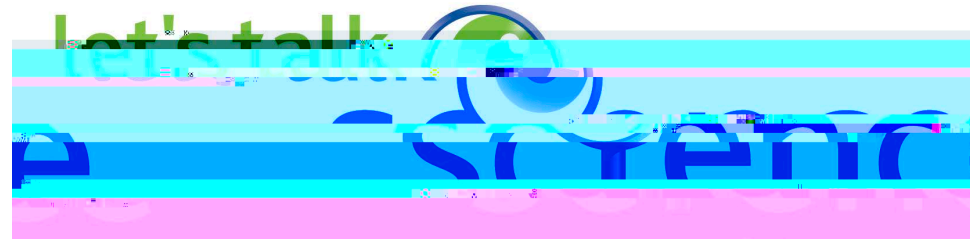
- 
- [7" &\* -\*/-D0\*5@ (0\*  
#%\*&\$%5\*C%' \$\*033\*  
/#\$' (#' \$0\*D\$%8N\*
  - + 0\*E7@\*&#%, 1/\*  
%"0\* -#\* -\*) 80J\*



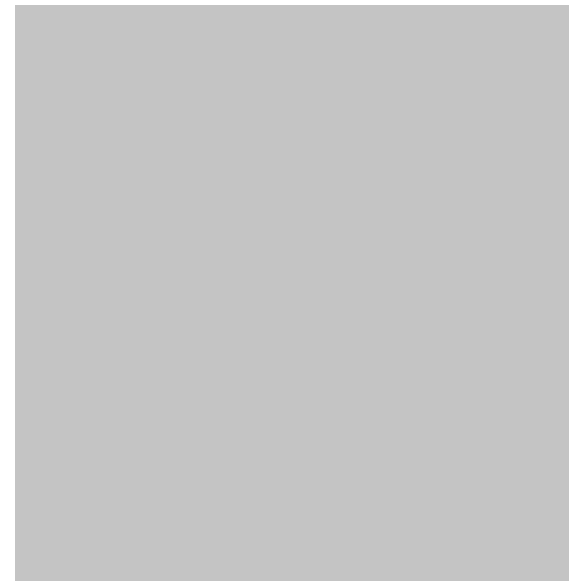


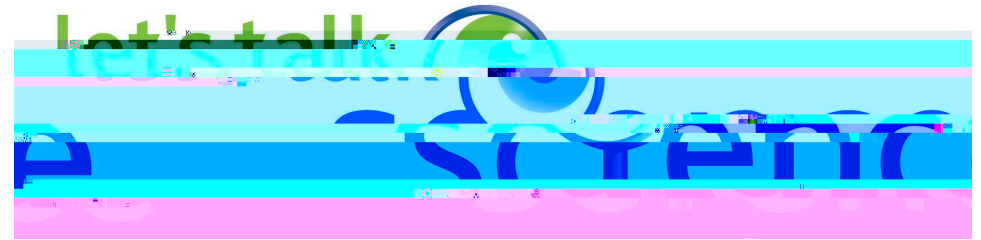
- 
- = - " \* C % ' \* # , 7 " < \* % D \* - " C \*  
3 % % & \* E - C / \* # % \* & % \* - \* ) 0 \  
M \$ 0 - < 0 \$ : \*





- 
- + , %\*E%":\* + , -#\*E%\$<0&\*EO@\*D%\$\*# , 07\$\*  
/#\$' (#' \$0:\*
  - + , -#\*-\$0\*# , 0\*D%\$(0/\*-()) "3\*%"\*# , 0\*033\*-/\*7#\*  
D-@/:\*
  - + , -#\*-\$0\*# , 0\*D%\$(0/\*# , -#\*-(#\*\*  
%"\*# , 0\*/#\$' (#' \$0\*E , 0"\*7#\* , 7#/\*  
# , 0\*3\$%' "&:\*





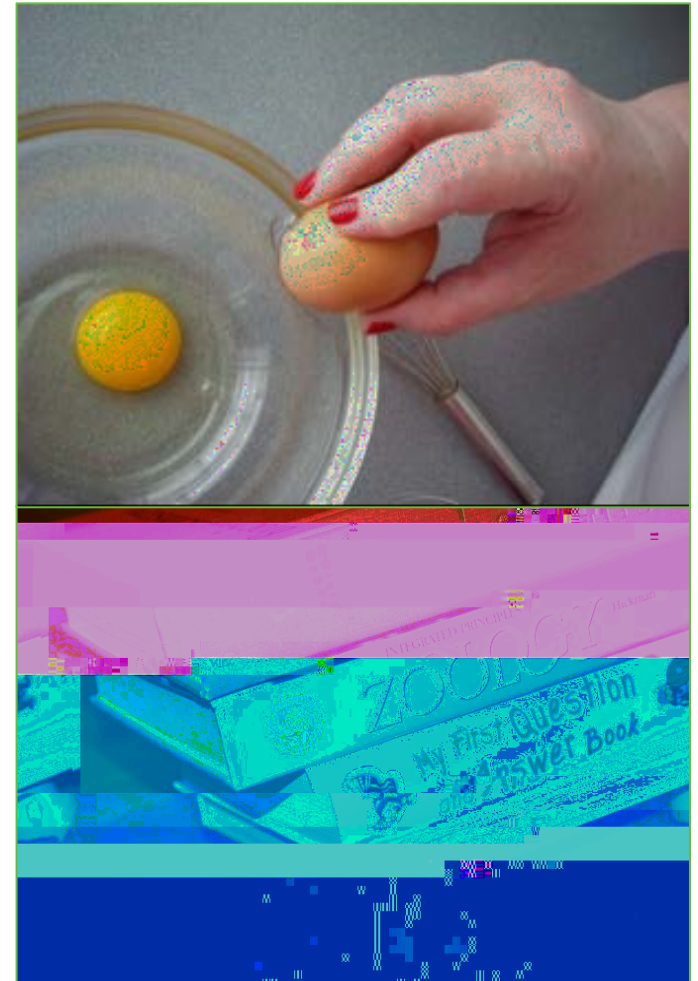
- F%E\*(-''C%'\*(%''#\$%@#, 0\*D%\$(0/\*#, -#\*(-' /0\*#, 0\*033\*  
#%\*M\$0-<:\*
- +, -#\*-\$0\*(%88%''\*(, -\$-(#0\$7/) (/ \*%D\*#, 0\*8-#0\$7-@/\*  
#, -#\*5\$%#0(#0&\*#, 07\$\*033/:\*
- 4%\*C%'\*#, 7''<\*@-C0\$7''3\*8-#0\$7-@/\*E7@\*5@-C\*-\$%@0\*7''\*  
5\$%#0()''3\*#, 0\*033:\*

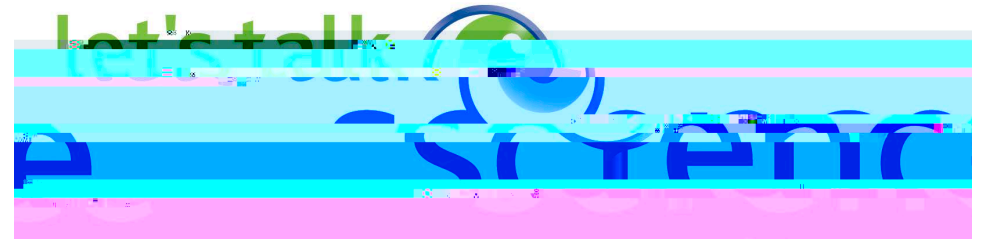


Let's talk

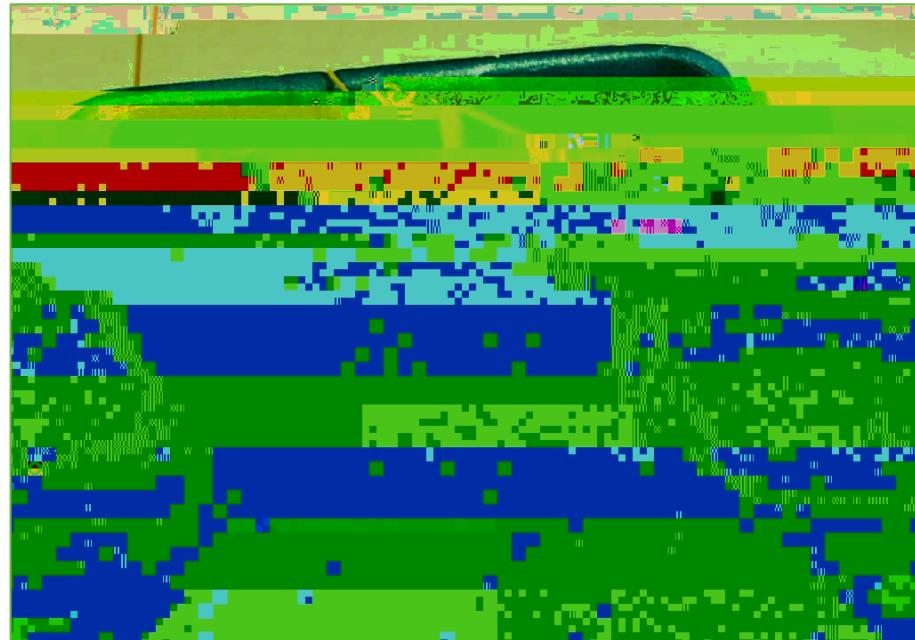
SCIENTIFIC

- !/\*#, 7/\* - \*1/, %(<\* - M/%\$5)% "9\*  
5\$%M@08K\*%\$\* - \*1/5\$7" 37" 3\*  
5\$%M@089: \*
- L, 7" < \*%D\* - \*(-\$./\*/, %(</N\*
- H" \*033./\*/ , 0@@ , -/\*#%\*E7# , /#- " &\*  
# , 0\*/5\$7" 37" 3\*D%\$(ON\*\*
- + , -#\*7/\* - \*1E0@&7/#\$7M' #0&9\*  
D%\$(0: \*
- + , -#\*7/\* - \*157" \5%7" #9\*D%\$(0: \*





- 
- !"#, 0\*0" &K\*E, -#\*C%' \*" 00&\*1/\*/%80\*/%\$#%D\*5-&&7" 3\*  
#, -#\*E7@\*(%85\$0//\*-#\*-\$-#0\*#, -#\*37X0\*#, 0\*033\*#, 0\*  
@%" 30/#\*) 80\*#%\*/#%5N\*



- $H_0 \approx 70 \text{ km/s/Mpc}$  -  $(0.000077 \text{ s}^{-1})$
-



- ^0E#%" ./ \*233\*4\$%5\*
- ^0E#%" ./ \*U/#\* \_-E`\*-""\*  
%MIO(#\*@<0/\*#%\*\$0#-7""\*7#/\*  
/#-#0\*%D\*8%)%""N\*
- , S5`ZZ  
EEEN/#0X0/5- "3@0\$/ (70  
" (ON(%8Z@-MZ  
0650\$780" #/Z033\&\$%5\  
7" 0\$) - \#\$7(<\*





