## INTERVENTION FOR MIDDLE SCHOOL YOUTH

NUTRITION EDUCATION
ENGINEERING \& DESIGNS
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## About NEEDs for Bones



Procedure

- NEEDS for Bones was administered by classroom teachers at 2 PA schools participating in PA SNAP-Ed. - Each teacher schedulued curriciulum administration at their convenience, length of time to adminisiter the
curriculum ranged from 1 week too 6 weeks. Individual lesson length was apopoximately $45-60$ minutes. Uuricuum ranged Trom Tweer to weeks. Indiviual esson enght was approximately $45-60$ minutes.
 - Data analyses included t tests, ANOVA, Chi Stuare as appropiate. An eating a atitude index was calculated


 between clusters. Open responses about topics leared were eateg
were analyzed using SPSS 18.0 ; significance was set at $P<0.05$.




## Disinterest=Score of 1 or 2 ; Interest=Score of 4 or 5

|  | All Lessons | 1 or 2 Lessons | Girls ( $\mathrm{n}=258$ ) were interested in more lessons than boys ( $\mathrm{n}=267$ ) $(\mathrm{t}=2.24 ; \mathrm{P}=0026$ ). On average, girls were interested in $1.88 \pm 1.5$ lessons; boys expressed interest in an average of $1.59 \pm 1.43$ lessons. Likewise, lesson disinterest was higher in boys than girls $(\mathrm{t}=2.71, \mathrm{P}=0.007 ; 1.18 \pm 1.34$ lessons for boys. |
| :---: | :---: | :---: | :---: |
| Disinterest ${ }^{1}$ | 41 | 190 |  |
| Neutral ${ }^{2}$ | 23 | 137 |  |
| Interest ${ }^{3}$ | 97 | 174 |  |


| Sex | Where's "Cal?" 1 | Fast "Cal" ${ }^{\text {2 }}$ | Boys and girls did not differ in their interest in |
| :---: | :---: | :---: | :---: |
| Boys | $\begin{aligned} & 3.19 \pm 1.28 \\ & n=256 \end{aligned}$ | $\begin{aligned} & 3.36 \pm 1.26 \\ & n=253 \end{aligned}$ | Lesson 1 (Enjoy Calcium-rich Foods) and Lesso 2 (Calcium Case Studies). However, girls were |
| Giils | $\begin{aligned} & 3.47 \pm 1.19 \\ & n=249 \end{aligned}$ | $3.62 \pm 1.21$ | significantly more interested than boys in Where's "Cal?" and Fast "Cal" lessons. |

Food Tastings

- When asked if ALL the foods had been tasted before, 18\% ( $n=97$ ) responded "Yes,
- When tasting history for each specific food was tallied, only $14 \%$ ( $n=72$ ) noted prio

- Tasting food for the first time was not related to enjoying the tasting activity, with the exception of
sunfilower sunflower kernels ( $\mathrm{t}=3.22, \mathrm{P}=0.002$ ). Those tasting sunflower kernels for the first time enjoyed the tasting activity less than those who had
tasted them before the lesson ( $3.52 \pm 1.6$ vs. $4.06 \pm 1.2$ ).

