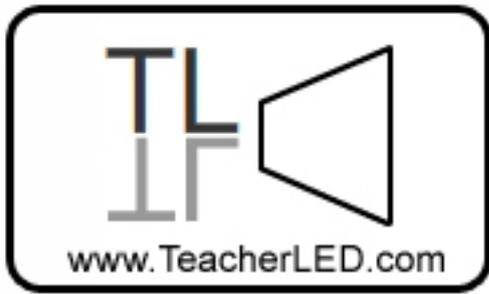


Visit the website for the matching online resource

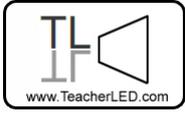


## Algebra Substitution

### On-line resource instructions.

This learning resource allows the teacher to demonstrate algebraic substitution. Different values for  $n$  can be chosen. Students can then be asked to come to the interactive whiteboard to input an answer. The answer can be immediately checked by the resource.

$n+3x2=$ <input type="text"/> ✓ <input type="text"/> ✗ Check	$n=$ <input type="text"/> 2 characters max	$n+3=$ <input type="text"/> ✓ <input type="text"/> ✗ Check
$3x(n+2)=$ <input type="text"/> ✓ <input type="text"/> ✗ Check	<input type="text"/> 1 2 3 4 5 6 7 8 9 . 0 -	$n-2=$ <input type="text"/> ✓ <input type="text"/> ✗ Check
$\frac{n}{2}$ <input type="text"/> ✓ <input type="text"/> ✗ Check		$4n=$ <input type="text"/> ✓ <input type="text"/> ✗ Check
Maximum 3 characters in each answer		



Visit the website for the matching online resource

## **Buttons**

**Keypad:** To allow entry from the interactive whiteboard the keypad can be used to enter answers. The computer keyboard can also be used.

**n=:** Click the empty rectangle next to  $n=$  to select the textbox to enter the value of  $n$  to be used. Clicking this also clears all answers entered so far.

**Empty Rectangles:** Below each expression is an empty rectangle. Click this to select which answer to attempt. Clicking it will clear whatever is already in the box.

**Check:** After entering an answer the student can click this button to see if the answer was correct. The cross or tick will illuminate to give the result.