 

**Advanced Placement Computer Science**

[**Shenendehowa HS**](http://www.shenet.org/shen-high-school/)[**mr Hanley**](http://hanley.co.nr)

**Unit 6: Arrays/ArrayLists**

**Lesson: For Each Loop**

***Last Updated:*** *3/24/2014*

Lesson: Parameter Passing Mechanisms

*Last Updated: 100/11001/1100*

It didn’t take long for programmers to find the need to loop through arrays and ArrayLists and other data structures one element at a time.

To avoid having to use an index, the enhanced for loop(for each loop) was created.

To use it, you must have an Collection or Array

public static void main(String[] args) {

String[] words = {"nihilistic", "apoplectic", "versatile", "juggernaut", "loquacious"};

 for(String s: words){ //each iteration of for loop, s takes on the next value of array

 System.out.println(s);

}

DON’T USE IF REMOVING ELEMENTS FROM ARRAYLIST

//You try.

//Make an ArrayList of the vowels

//Use a for each loop to print to the screen
ArrayList vowels = new ArrayList();

vowels.add(“a”);

vowels.add(“e”);

vowels.add(“i”);

vowels.add(“o”);

vowels.add(“u”);

for(String s:vowels){

 System.out.println(s);

}