

Introduction to Function Notation ¹

Secondary Level: Algebra

Overview	To introduce students to function notation.
Specific Objective	The specific objective of this lesson is for students to grasp the concept of function notation: input and output.
Required Materials	For this lesson students need to have a writing utensil and notebook paper. A calculator may be useful.
Anticipatory set (Lead-in Activity)	Animoto video. This video is very compelling and will introduce students to function notation in an exciting way—instead of lectures which can prove to be very boring.
Standards	Correlation to PSSM Standards: <ul style="list-style-type: none">• “ Understand patterns, relations, and functions: understand relations and functions and select, convert flexibly among, and use various representations for them”
Procedures	<ol style="list-style-type: none">1. After the students have viewed the Animoto video concerning function notation ask them if they have any questions regarding the video and how function notation works.2. Answer any questions they may have. (function notation proves to be a difficult concept for students to learn in the beginning)3. Give them a brief activity concerning function notation: worksheet, short homework assignment, etc...4. Go over the worksheet with them. This will allow you to see what the students are struggling with—it will also give them feedback and positive reinforcement.
Plan for independent practice	Once the worksheet is complete and you have gone over it with them, assign a short homework assignment to be completed and returned the following day.
Assessment	A short quiz will be given the following day regarding function notation to evaluate what was learned.

¹ Adapted from http://enlvm.usu.edu/ma/classes/_shared/emready@functions/info/lessonplan.html

