

## VOCABULARY SLIP

# Topic 1.1: Introduction to Algorithms, Programming, and Compilers

## Vocabulary Slip — Topic 1.1

Keep this in your notebook. Eight terms you will use all year.

| Term                  | Definition                                                                                          |
|-----------------------|-----------------------------------------------------------------------------------------------------|
| <b>Algorithm</b>      | A step-by-step process for completing a task or solving a problem.                                  |
| <b>Sequencing</b>     | The order in which steps are carried out — one at a time.                                           |
| <b>Source code</b>    | The instructions a programmer writes in a programming language such as Java.                        |
| <b>IDE</b>            | Integrated development environment — a tool that combines an editor, compiler, and run button.      |
| <b>Compiler</b>       | A tool that checks code for certain errors and translates it so it can run.                         |
| <b>Syntax error</b>   | A broken language rule (e.g., a missing semicolon); caught by the compiler before the program runs. |
| <b>Logic error</b>    | The program runs but produces the wrong result; found by testing.                                   |
| <b>Run-time error</b> | A mistake that occurs while the program runs and usually stops it; an exception is one type.        |