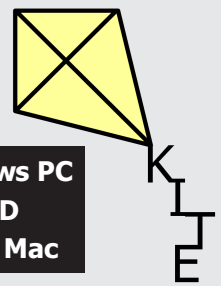


Flowol 4™

By: Keep I. T. Easy

Windows PC
AND
Apple Mac



Computer Science, Robotics and Programming software

Flowol 4 includes 15 mimics, supports more interfaces and with new features is even easier to use.

Simpler resizable toolbars: cut, copy, paste; undo, redo...

2D and 3D mimics can be resized

Inputs and outputs can be named and monitored

Download
30-day Trial
www.flowol.com

Drag standard flowchart symbols onto the page, and then link them together using the line tool

Symbols are edited using an on-screen prompt box.

The screenshot shows the Flowol 4 software interface. On the left, there is a flowchart titled "Control the Big Wheel" with two parallel paths. The top path starts with a "Start" oval, followed by a parallelogram "Turn Wheel fd", a rectangle "Delay 0.5", a diamond "Is Steps on?", a parallelogram "Turn Wheel off", and a rectangle "Delay 5". The bottom path starts with a "Start" oval, followed by a parallelogram "Turn Red on, Yellow off, Blue on", a rectangle "Delay 0.5", a parallelogram "Turn Red off, Yellow on, Blue off", and a rectangle "Delay 0.5". A toolbar at the top includes icons for file operations, editing, and execution. A 3D mimic of a Ferris wheel is shown on the right. Below the flowchart, an "Edit the Output Symbol" dialog box is open for the "Turn Wheel fd" symbol, showing a table of output states.

Output	Turn Wheel fd
Red	off on
Yellow	off on
Blue	off on
Wheel	off fd rev <power>

Run the flowchart and monitor the program. Adjust the speed or pause to demonstrate or correct logic.

Flowol 4
now controls
VEX
ROBOTICS DESIGN SYSTEM

Use Flowol in
VEX Robotics Competition

- Programming visually with a flowchart allows the student to focus on the logic of their solution. Flowol 4 supports many programming elements:
- Sequences of instructions
 - Branching using decisions
 - Loops (infinite, or based on a condition/count)
 - Variables and simple variable manipulation
 - Sub-procedures (parameters optional)
 - Multiple parallel threads

Flowol 4 Software SYSTEM REQUIREMENTS

- Microsoft **Windows XP, Vista, Windows 7 or Windows 8**
- **OR Apple Mac OS X 10.5, 10.6, 10.7 or 10.8 (Mountain Lion).**
- 512 MB of RAM and 120 MB of available hard-disk space
- Internet connection to download and activate the software.

Flowol 4 can control real models and robots through a range of control interfaces

VEX Cortex

fischertechnik
ROBO TX and ROBO LT

FlowGo

Deltronics/CoCo

PICAXE

Arduino

Go to www.flowol.com for details of all supported interfaces



Flowol 4

Download a 30-day trial
or watch a short video at
www.flowol.com

Windows PC
AND
Apple Mac

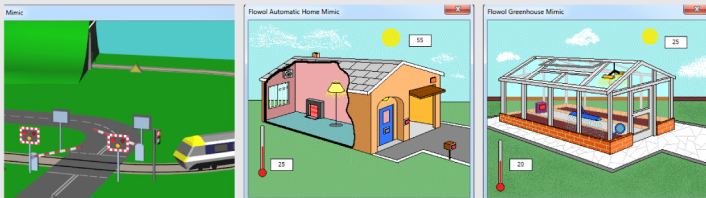
15 mimics included with Flowol 4

These are progressive and introduce programming concepts in manageable steps. Most mimics include a series of graduated activities which encourage the student to explore the task further at their own pace. Results provide differentiation and allow the teacher to assess the student's achievements individually. Flowchart solutions included for teachers.

1. The first few mimics introduce the idea of simply controlling one, two and then six lights (outputs).



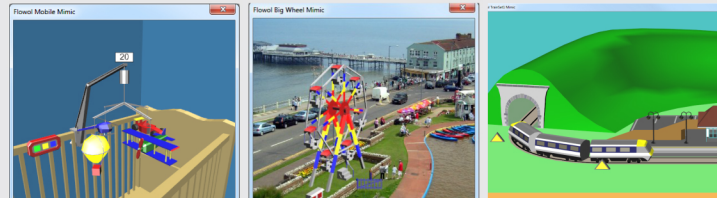
3. Controlling motors (forward and reverse) are then applied to mechanisms. These can also respond to analogue inputs (temperature & light sensors).



2. Digital inputs and subroutines are then added to operate several events within the same situation.



4. Using variables, different motor speeds and virtual inputs, triggered by the mimic itself, bring extra realism to the simulation.



Item	Description	
F400X	Flowol 4 Single-User	
F400P	Flowol 4 with Primary School Site Licence	
F400M	Flowol 4 with Middle School Site Licence	
F400S	Flowol 4 with Secondary School Site Licence	
F400U	Upgrade Flowol 3 Site Licence -> Flowol 4	
F400V	Upgrade Flowol 2 Site Licence -> Flowol 4	