	Computer Scrence
	What is a computer? Uhat is science?
	- A wachine that does much - System of ngury + investigation
	- Input - Output - Specific field of study
	- Computes - Study of Nature + dynamize of
	- Artificially solver problems - way of understandy natural world
	- Code + electric signals
	Why Study CS?
	· ·
	- Many applications - make noney, contribute to human flourthy,
	- Beautiful ideas, learn new ways of thicky.
	- Being an engaged cikzen
16-m -	
Pert	Start with a number n. — mont
	Pozest makil so = 1:
(srg. from	If n is even, divide it by 2.
	1 The wise, Multiply it by 5 and then are I.
	Butput the number of repetitions needed to reach 1. output.
	13 -> 40
	To a da
	$\frac{1}{n=6}, \longrightarrow 3 \longrightarrow 10 \longrightarrow 5 \longrightarrow 16 \longrightarrow 8 \longrightarrow 4 \longrightarrow 2 \longrightarrow 1$
	(8 reps.)
	SU: 24
	17:12
	13:9
	14:18
	239 : ?
	9:19

Algorithm = series of steps to accomplish a tash.

5 aspects/components of algorithms:

- 1) Input. ie. taking information from outside world. 2) Output ie. putting information out into the world.
- 3) Math/Arithmetic
- 4) Conditionals—ie deciding between multiple courses of action
- (5) Repetition ability to repeat actions multiple times.

3 types of errors

- Syntax errors ie. "grammar errors". Not even a valizh
- valid program but crashes. - runtime error
- semantiz errors. valid program, runs, lut doesn't do What you intended.