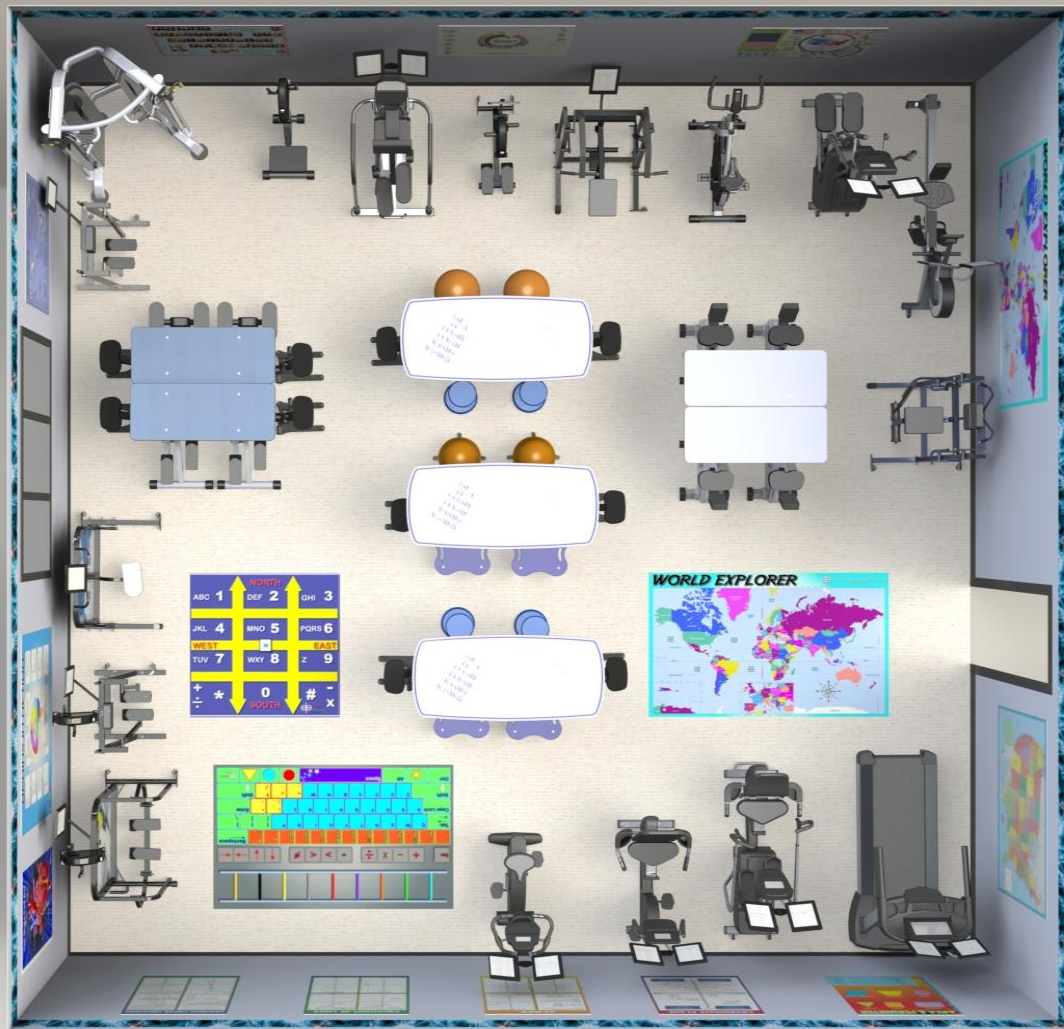


# Nueronarium Labs

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ABC 1  
JKL 4  
MNO  
PQR  
STU  
VWX

NORTH  
SOUTH  
EAST  
WEST

$$\begin{array}{r} 10 \times 11 = 110 \\ 1 \times 22 = 22 \\ 8 \times 11 = 88 \\ 1 \times 1 = 1 \\ 100 + 22 + 88 + 1 = 211 \\ \hline 11 \times 19 = 209 \\ \hline 11 \times 19 = 209 \end{array}$$

$$\begin{array}{r} 89 \\ 4 \times \\ \hline 17 \end{array}$$

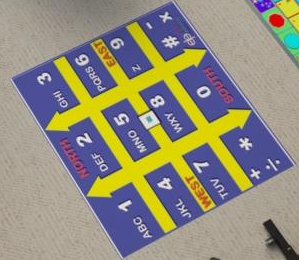
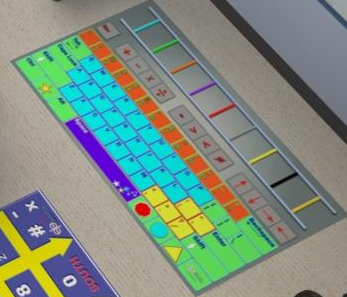
$$\begin{array}{r} 11 \times 1 \\ 1 \times 11 \\ 11 \times 11 \\ 11 \times 11 \\ 11 \times 11 \\ \hline 11 \times 11 = 121 \end{array}$$

$$\begin{array}{r} 89 \\ 4 \times \\ \hline 17 \end{array}$$

$$\begin{array}{r} 11 \times 1 \\ 1 \times 11 \\ 11 \times 11 \\ 11 \times 11 \\ 11 \times 11 \\ \hline 11 \times 11 = 121 \end{array}$$

$$\begin{array}{r} 89 \\ 4 \times \\ \hline 17 \end{array}$$





# GRAPHING LINEAR EQUATIONS

**Method One: Create a Table**  
 Linear Equation:  $y = 3x + 2$

Assign values for  $x$  and use the equation to calculate corresponding values for  $y$ . Present results in table form.

x	y
-2	-4
-1	-1
0	2
1	5
2	8

Plot the points listed in the table.

Draw the line.

**Method Two: Use Slope-Intercept Form**  
 Linear Equation:  $6y = 5x - 12$

**Step 1:** Check to see if the equation is in slope-intercept form ( $y = mx + b$ ). If not, solve for  $y$ .

$$\frac{6y}{6} = \frac{5x - 12}{6}$$

$$y = \frac{5}{6}x - 2$$

**Step 2:** Once the equation is in slope-intercept form, identify the slope ( $m$ ) and  $y$ -intercept ( $b$ ).

$m = \frac{5}{6}$     $b = -2$

**Step 3:** Plot the  $y$ -intercept.

**Step 4:** From the  $y$ -intercept, use the slope ( $\frac{5}{6}$ ) to plot another point.

**Step 5:** Draw the line.



# BRAINS IN ACTION

- Frontal Lobe**  
 Cognition  
 Reasoning  
 Planning  
 Speech production (Broca's area)  
 Movement planning
- Parietal Lobe**  
 Motor Cortex: directs the front back of the body  
 The corresponding body outline is at the wall  
 Controls motor movement  
 85% of motor cortex is dedicated to hands and feet
- Temporal Lobe**  
 Sensory Cortex: Perception and processing of sensory stimulation  
 Taste, touch, pressure, temperature and pain
- Parietal Lobe**  
 Spatial Awareness (body in space)  
 Awareness of environment  
 Spatial mapping  
 Motor neurons for inhibition
- Occipital Lobe**  
 Vision  
 Sight  
 Color  
 Dimension  
 Perspective  
 Interacts with Parietal lobe to see what and where things are
- Cerebellum**  
 Coordination  
 Agility  
 Fine and gross motor skills  
 Motor learning  
 Posture  
 Initiates putting patterns into a sequence
- Basal Ganglia**  
 Located at the top of the spinal cord  
 Controls automatic body functions (breath, heartbeat, reflexes)
- Medulla**  
 Cardiac Function  
 Attention  
 Problem Solving  
 Decision Making  
 Logic  
 Reasoning  
 Working Memory  
 Social Interaction/Response
- Thalamus**  
 Auditory processing  
 Receptive and expressive language  
 Decision and comprehension  
 Facial expression
- Obtuse Lobe**  
 Hypothalamus: controls body temperature, hunger, thirst, and sexual drive
- Hypocampus**
- Spinal Cord**
- Brain Stem**  
 The emotional filter, describes emotions  
 Autonomic  
 Voluntary motor movement  
 Motor planning







# tion

**Parallel Lobe**  
 Located in anterior lobe in  
 dorsal  
 Anterior of environment  
 Specific mapping  
 Motor neurons by axon

**Value**  
 High  
 Core  
 Orientation  
 Penetration with lateral lobe  
 Anterior and lateral  
 Motor neurons

**Contribution**  
 Contribution  
 High level gross motor skills  
 Anterior

### Water molecule

H2O

Atom

Proton

Neutron

Electron

### Table of Elements

Periodic table of elements with various element symbols and names.

### History of Life

Evolutionary diagram showing the progression of life from simple organisms to complex organisms.

$5-12-x$   
 $1-b-9-y$   
 $1-4-6-8$   
 $x-1-4-8-x$   
 $x-1-4-8-x$

$5-12-x$   
 $1-4-6-8$   
 $x-1-4-8-x$   
 $x-1-4-8-x$   
 $x-1-4-8-x$

$5-12-x$   
 $1-b-9-y$   
 $1-4-6-8$   
 $x-1-4-8-x$   
 $x-1-4-8-x$   
 $x-1-4-8-x$







$$\begin{array}{r} 17 \\ \times 4 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 5.18 \\ \times 4 \\ \hline 20.72 \\ 207.2 \\ \hline 20720 \end{array}$$
$$\begin{array}{r} 3x - 1 = 7 - 3x \\ 3x + 3x = 7 + 1 \\ 6x = 8 \\ x = \frac{8}{6} \\ x = \frac{4}{3} \end{array}$$

$$\begin{array}{r} 17 \\ \times 4 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 5.18 \\ \times 4 \\ \hline 20.72 \\ 207.2 \\ \hline 20720 \end{array}$$

$$\begin{array}{r} 17 \\ \times 4 \\ \hline 68 \end{array}$$

$$\begin{array}{r} 5.18 \\ \times 4 \\ \hline 20.72 \\ 207.2 \\ \hline 20720 \end{array}$$



$$\begin{array}{r} 120 \\ \times 10 \\ \hline 1200 \end{array}$$

$$\begin{array}{r} 648 \\ \times 14 \\ \hline 2592 \\ 2592 \\ \hline 9072 \end{array}$$

Blank whiteboard