



# Welcome, Team!

Professional Development Day

November 2017

Systems and Science

A moment



# A Disruptive Thought

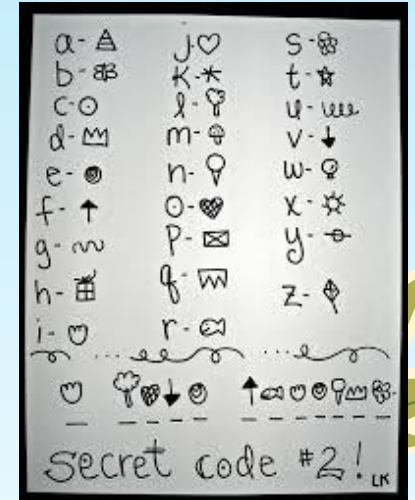
## PATTERNS



## CODES

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00000000 10000000 01000001 10000000 00010000 00000000 10000001
01000001 10000001 00010000 00000000 10000002 01000001 10000002
00010000 00000000 10000003 01000001 10000003 00010000 00000000
10022133 01000001 10022133 00010000 00000000 10000000 01000001
20000000 00010000 00000000 10000001 01000100 20000001 00010000
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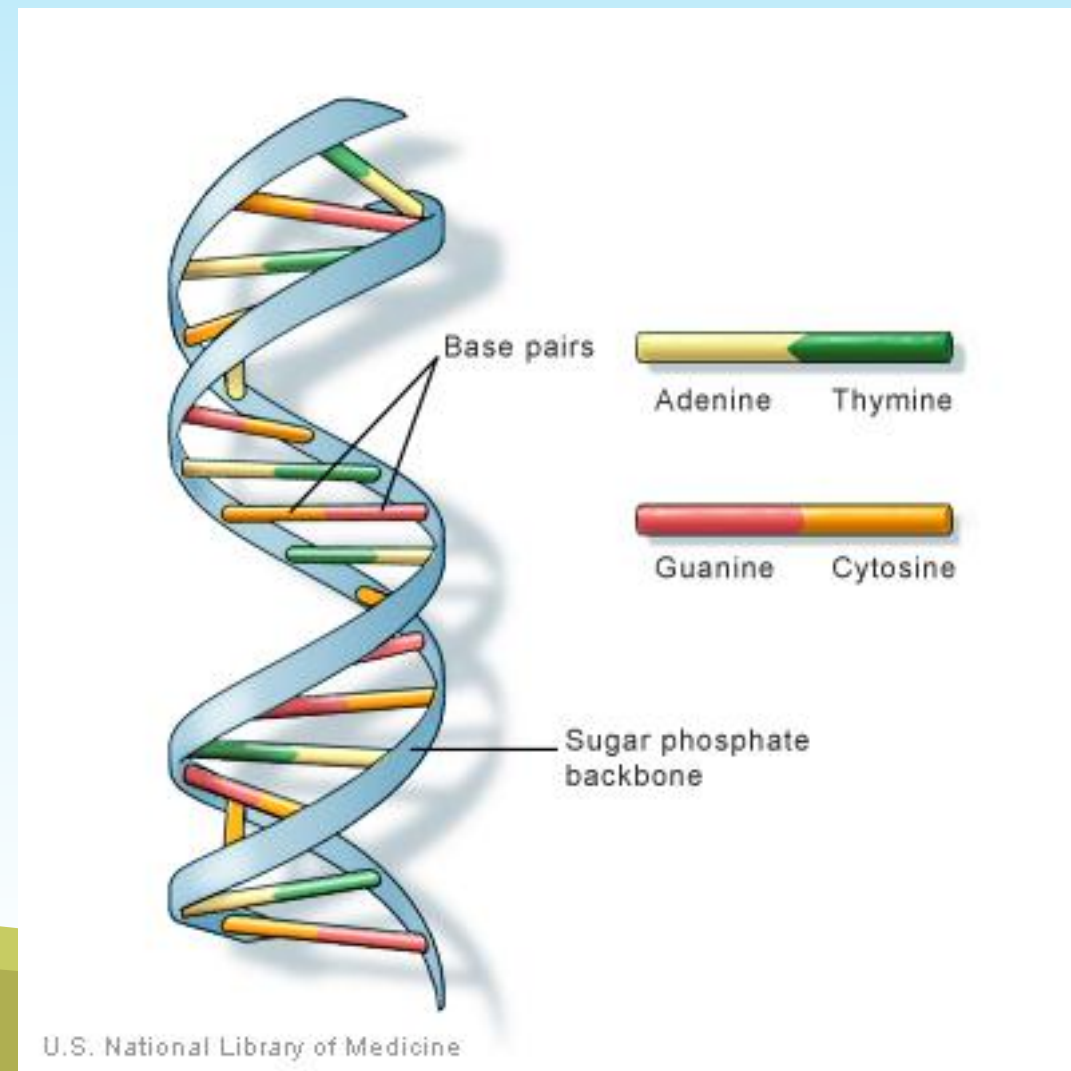
ABC LettersOfTheAlphabet.com ABC

A	B	C	D	E	F
1	2	3	4	5	6
G	H	I	J	K	L
7	8	9	10	11	12
M	N	O	P	Q	R
13	14	15	16	17	18
S	T	U	V	W	X
19	20	21	22	23	24
		Y	Z		
		25	26		

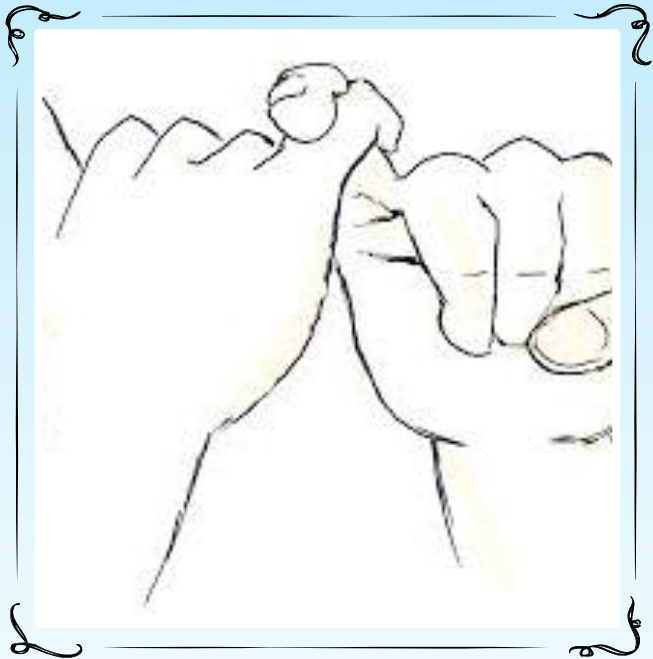
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ISLCollective.com

# A CODE IN NATURE! Hmmm!



# The Budget in Three Acts



This Year



The State



Next Year

“Not for  
ourselves  
alone, are we  
born.” Cicero

Strong Systems  
focus quality  
decision-making.



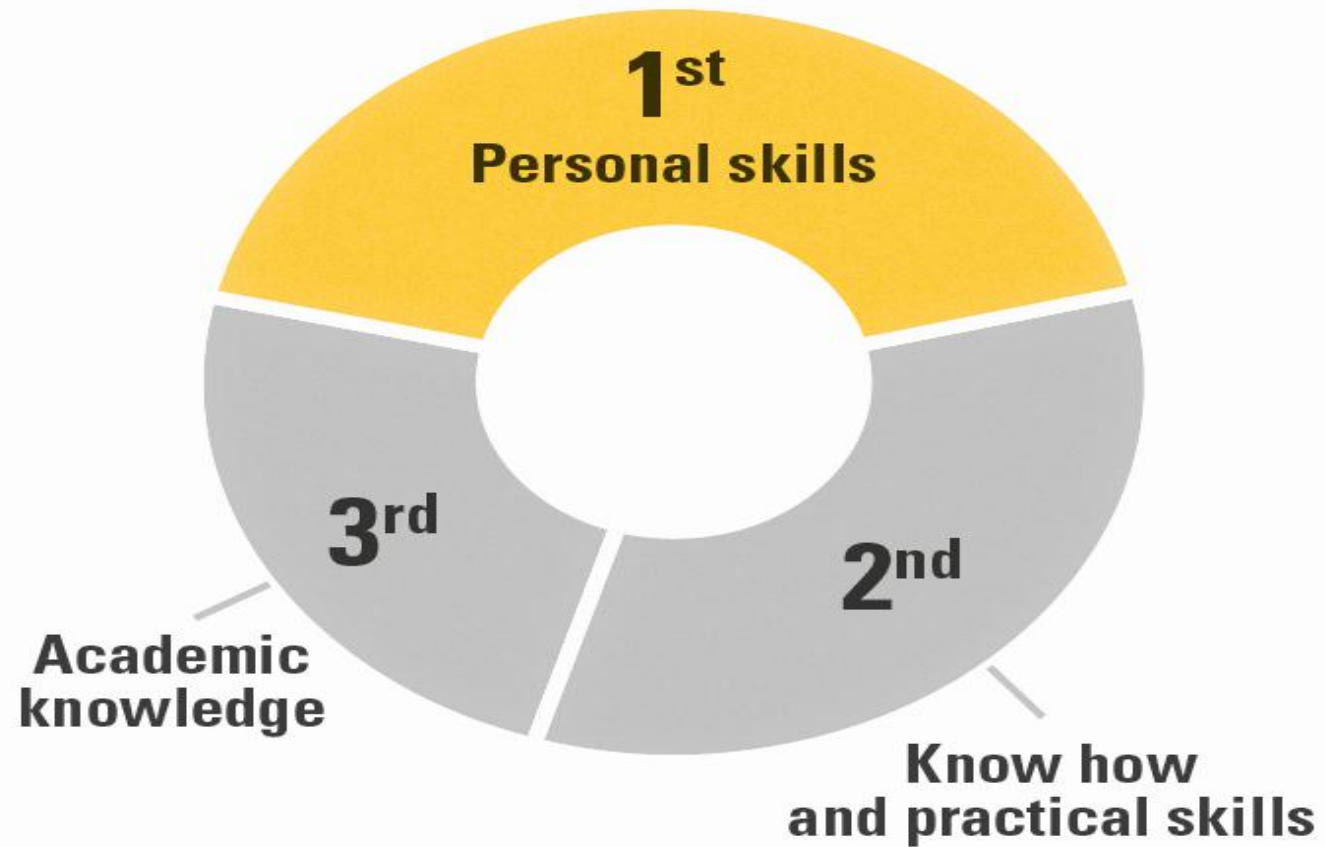
class of

2030



# WHAT TYPE OF SKILLS?

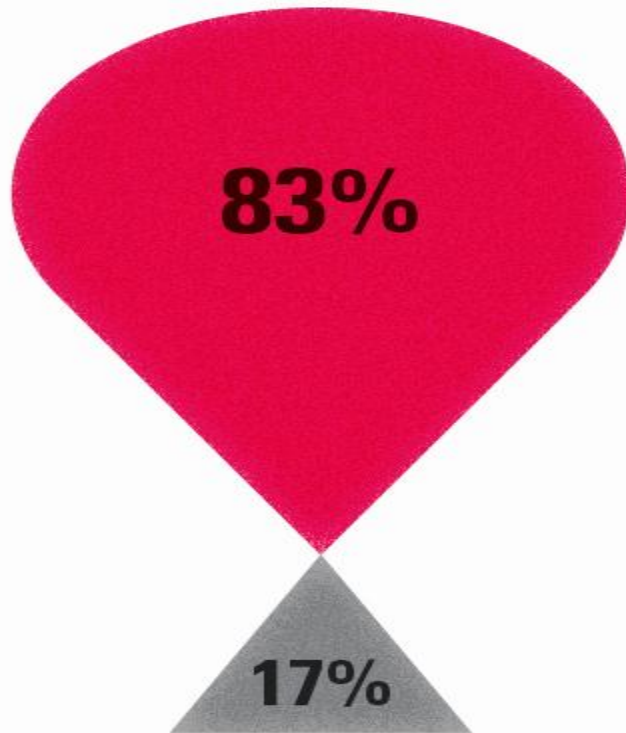
Personal skills will be highly-valued  
in 2030.





## WHAT TYPE OF CURRICULA?

The majority of experts think content will become more individualized to suit each student's needs.

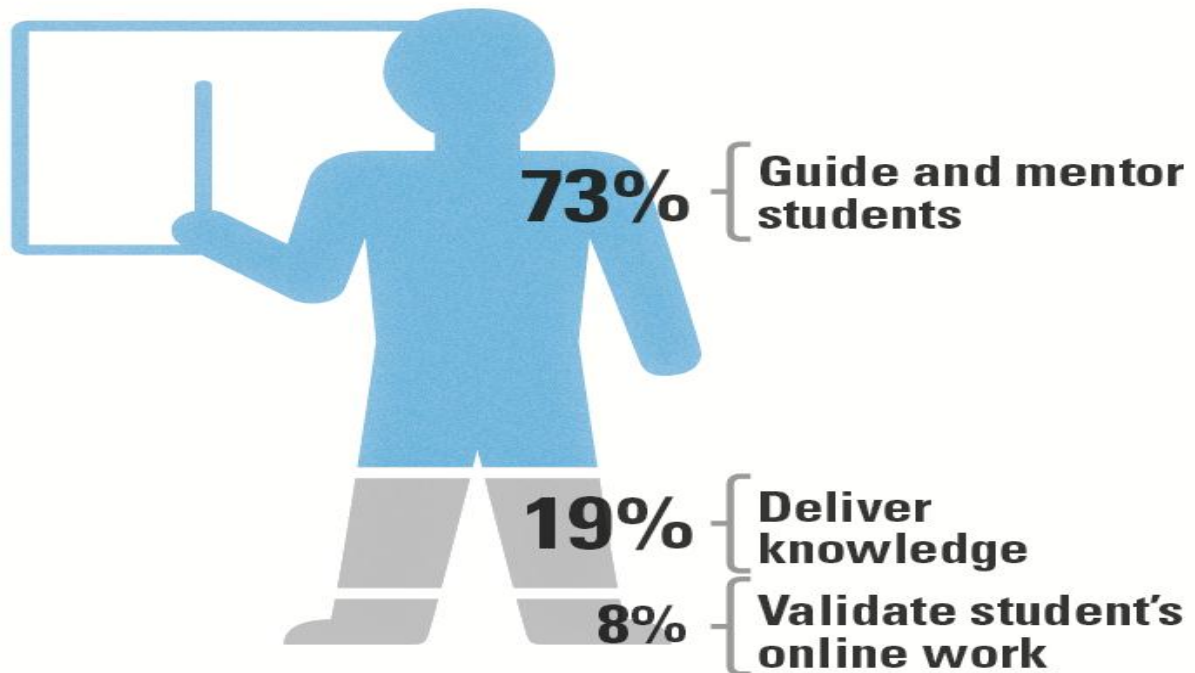


**More tailored  
and personalized  
content**

**Consistent and  
standardized  
content**

## THE ROLE OF TEACHERS?

The role of teachers will shift toward guiding students along their autonomous learning paths.



Source: WISE Survey "School in 2030"

**wise**  
wise-qatar.org



# The Student!

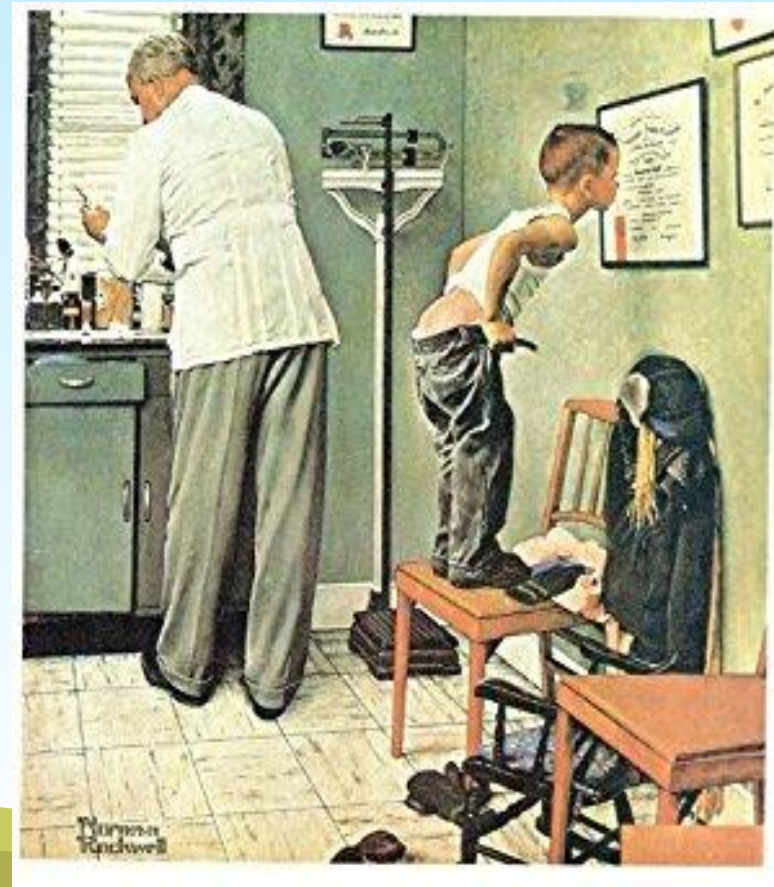


# Two Requirements

- SAFETY



- WELLBEING



# Commitment

**LOVE** IS AN  
**UNCONDITIONAL COMMITMENT**  
TO AN **IMPERFECT PERSON**.  
TO LOVE SOMEBODY  
ISN'T JUST  
A **STRONG FEELING**.  
IT IS A **DECISION**,  
A **JUDGEMENT**  
AND A **PROMISE**.

LOVEQUOTES.PK | TUMBLR





We are the FUTURE!

“Humanity will change more in the next 20 years than in all of human history.”

Thomas Frey





# Commitment to the PLAN!

## A decision, a judgement, a promise!

- **P:** The Vision described by our Strategic Plan is compelling and possible.
- **A:** The Strategic Plan details are Accurate enough to base operational decisions on.
- **W:** The Strategic Plan is Well-understood so that it becomes a key component of budget design.

**PAW-ssible!!!**



**NEEDED**

# WHAT ARE ~~21ST CENTURY~~ SKILLS? THESE 4 C'S:

**C**

**COMMUNICATION**

Sharing thoughts,  
questions, ideas &  
solutions

**C**

**COLLABORATION**

Working together to  
reach a goal. Putting  
talent, expertise,  
and smarts to work

**C**

**CRITICAL  
THINKING**

Looking at problems in  
a new way and linking  
learning across  
subjects & disciplines

**C**

**CREATIVITY**

Trying new approaches  
to get things done equals  
innovation & invention

A. J. JULIANI



## The Classroom






So what do we do  
*ethically?*

What do we do as  
professional experts?

- Where have we been?
- Where are we now?
- Where are we going?
- Why are you here?





# The Death of Expertise

- The foundational knowledge of the average American is now so low that it has crashed through the floor of “uninformed,” passed “misinformed” on the way down, and is now plummeting to “aggressively wrong.” People don’t just believe dumb things; they actively resist further learning rather than let go of those beliefs. I was not alive in the Middle Ages, so I cannot say it is unprecedented, but within my living memory I’ve never seen anything like it. ”



– Thomas M. Nichols, [The Death of Expertise: The Campaign Against Established Knowledge and Why it Matters](#)



# The Death of Expertise

- “ I’ve learned that most problems aren’t rocket science, but when they are rocket scientist, you should ask a rocket scientist about them. In other words, I don’t know everything, so I’ve learned to seek advice and counsel and to listen to experts.”

Scott Kelly, AARP Magazine Oct/Nov 2017, page 46.



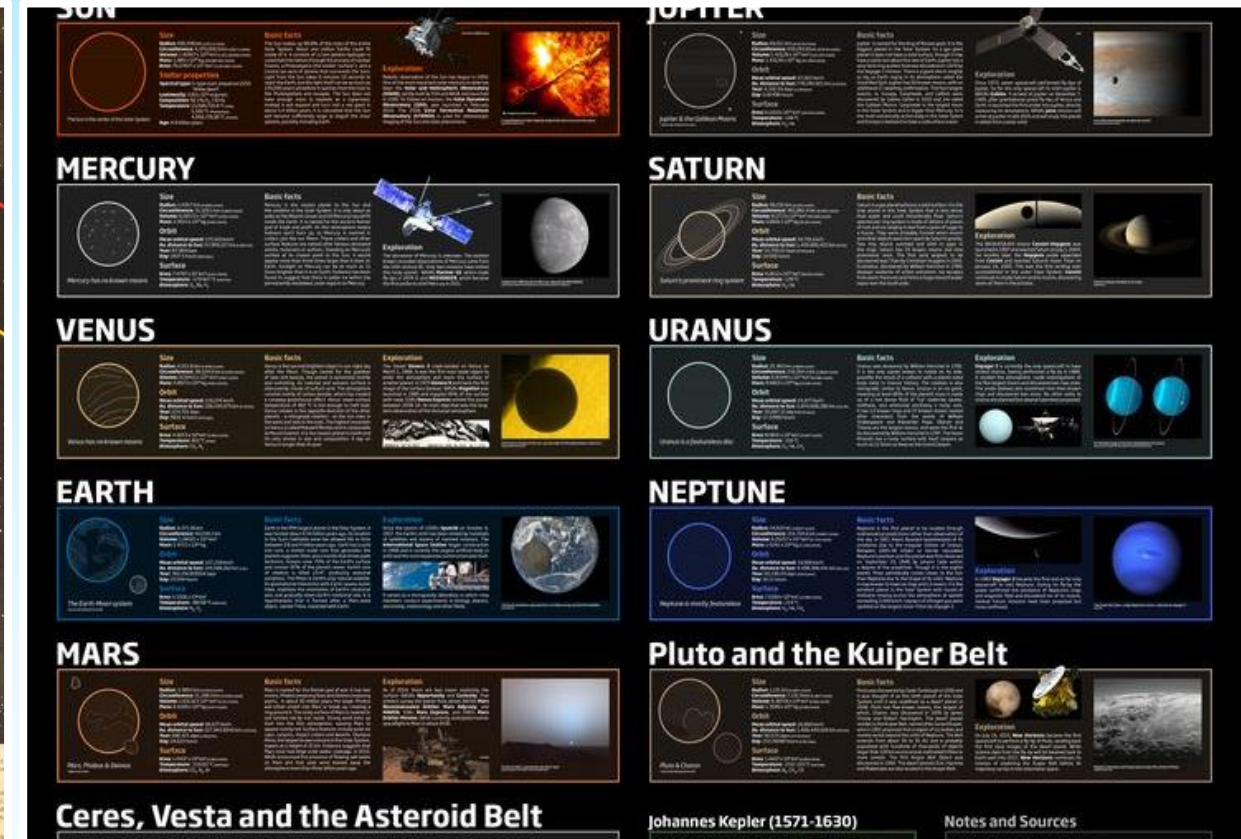
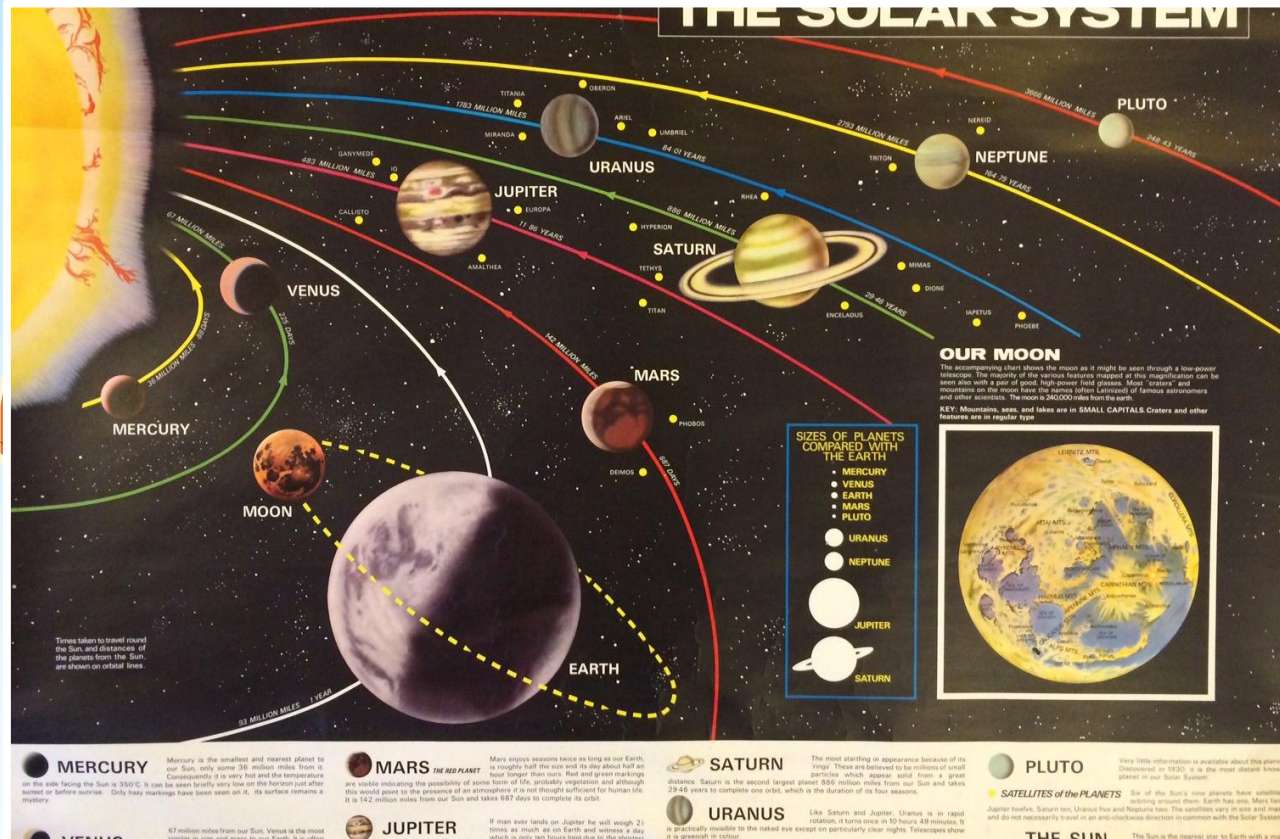
# “The PALM!”



Strong **Science and reason will** focus quality decision-making.



# Our Solar System has Changed



1970 Solar System

Complexity: 2017 Solar System

Michael Fullan

# 40 Billion Earth Like Planets in our Galaxy





As of Sep 20, 2017 - Candidate  
exoplanets: 4,496; Confirmed  
exoplanets: 2,330; Confirmed  
exoplanets less than twice Earth-size  
in the habitable zone: 30.

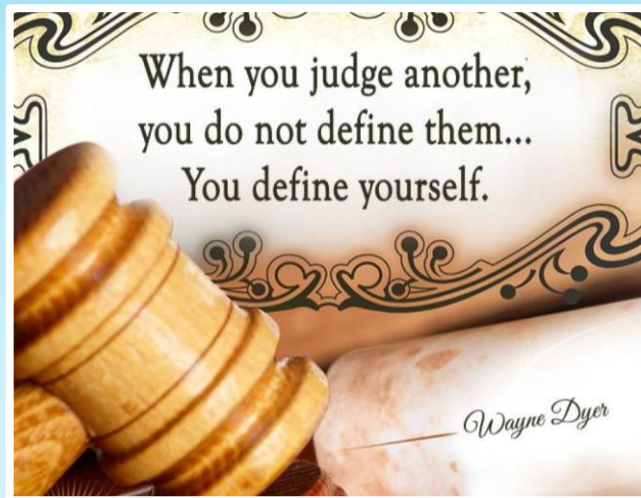
**30 "CLOSE" EARTHS**





## Planet 9 and Planet 10

- Two New Planets
    - The size of Neptune – Planet 9
    - The size Mars – Planet 10
    - 40,000 KBOs
- 
- 
- 
- 



## **Systems and Science:**

**A decision**

**A judgement**

**A promise**



Let's continue to  
have a  
Great Year!



Happy  
Thanksgiving!

