Putting the sting into STEM

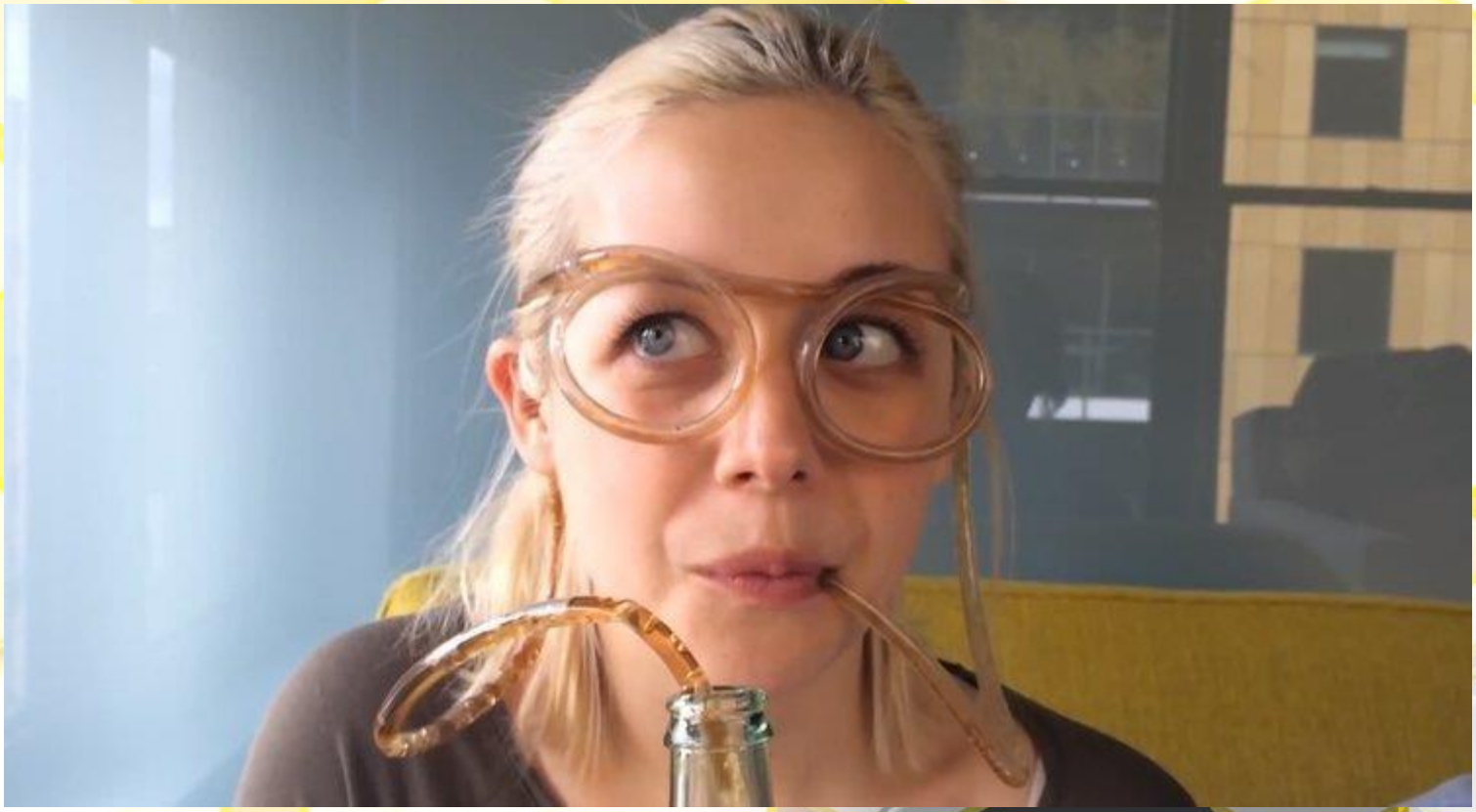
Science and Technology
Departments

Does my ‘bumble’ look big in this?

Sweet Tongue?

Feeling the Pressure

STEM OREINTED TEACHING AND LEARNING



Put your Honey where your Mouth is!
The Taste Test

Sweet Tongue

The Colour Purple- Flavins

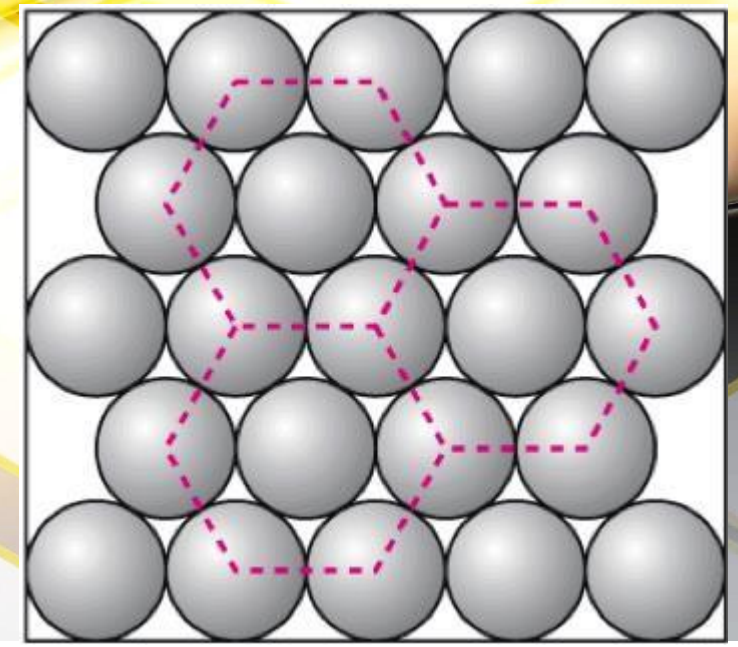
The Colour Purple – Seeing the light

Microbiology in STEM Learning

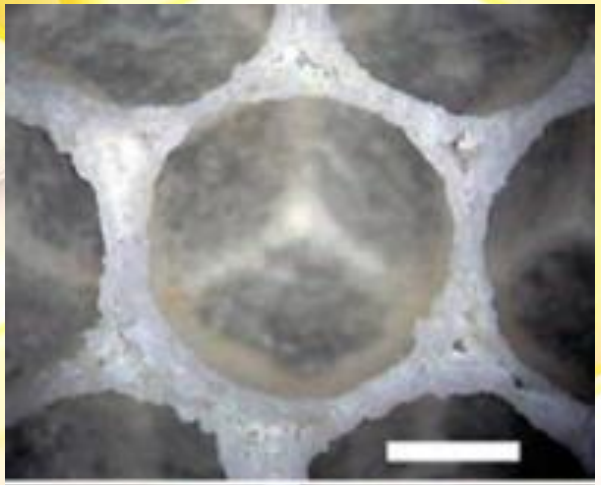
Feeling the Heat

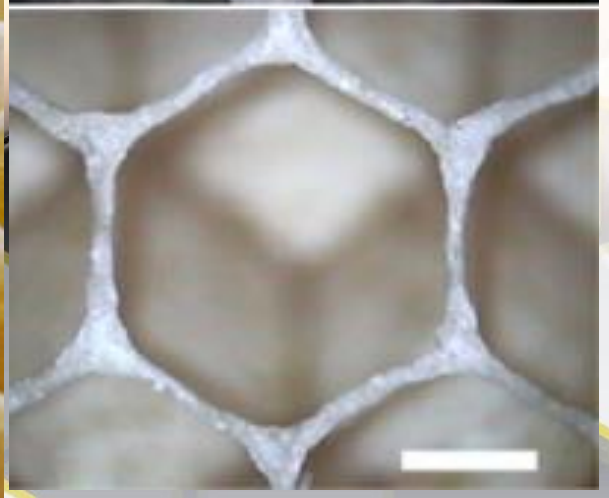
Really - Can a bee know about shape and Space?

Are they Hexagon makers or Hexagonal Close Packers?

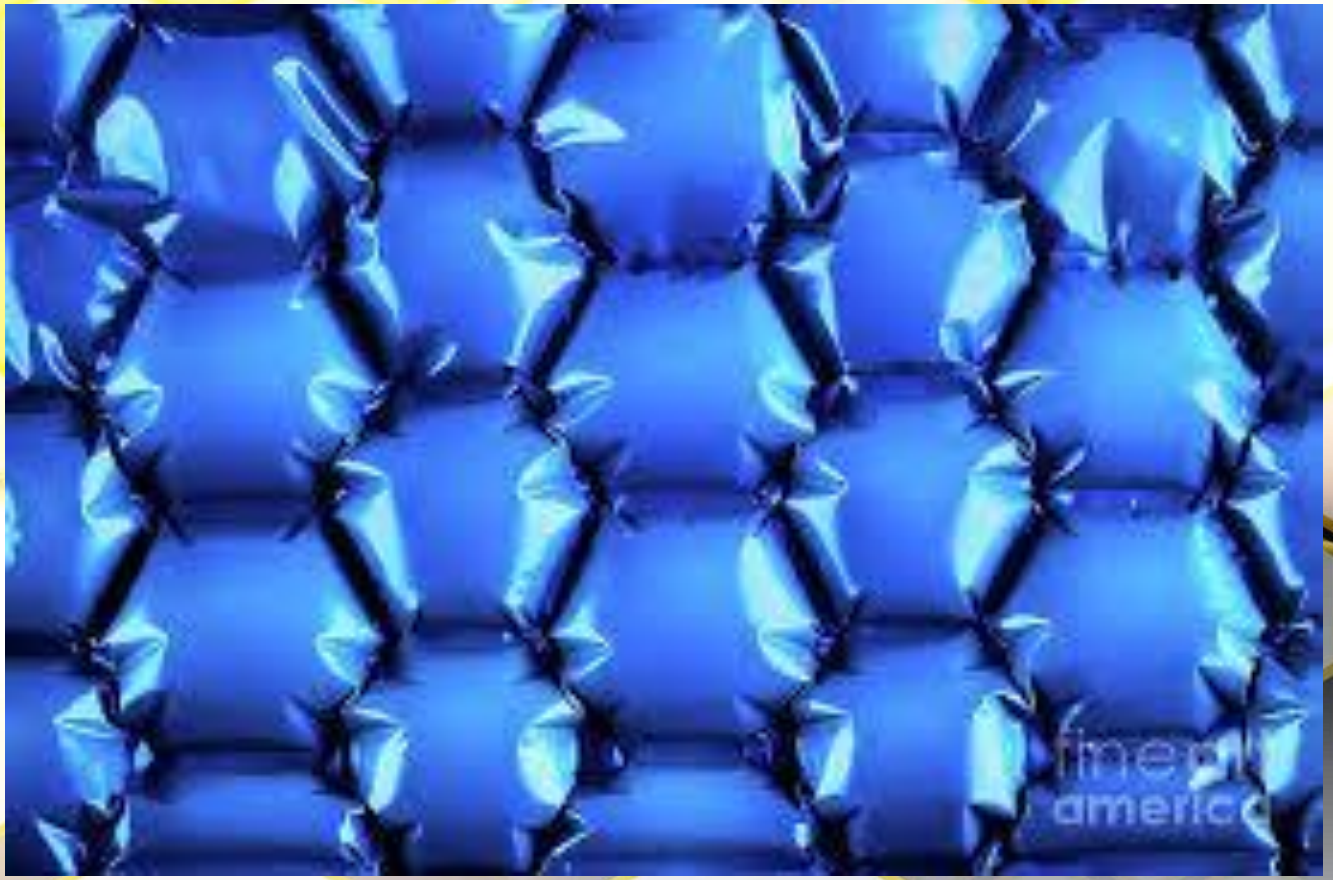


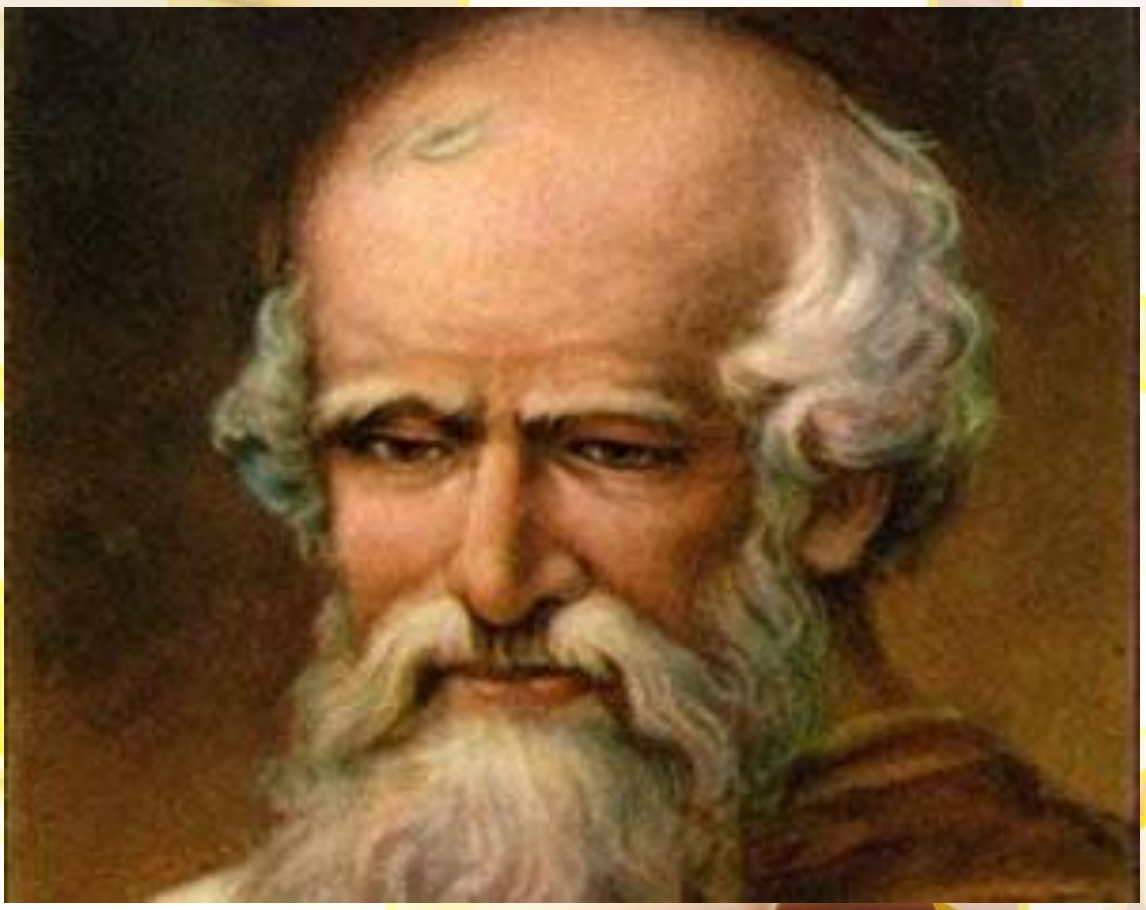
Observation and Experience





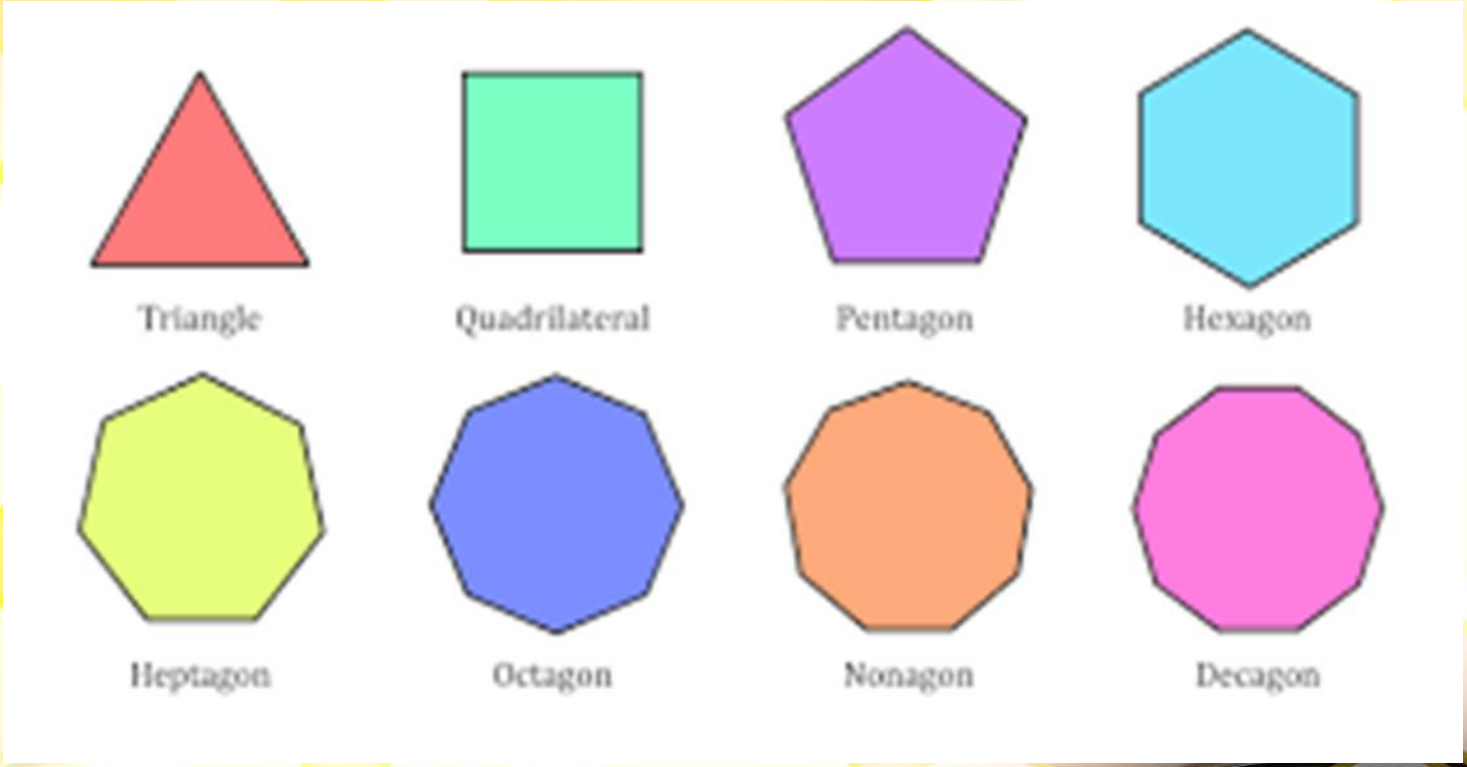
Observation, Experience and Art





Bees, Pi and Honey

Archimedes of Syracuse.



Destination: The Circle

Number of sides n	Exterior angle (nearest degree) $e = 360/n$	Interior angle $i = (180 - e)$	Tessellates?
3	120°	60.0°	✓
4	90.0°	90.0°	✓
5	72.0°	108°	×
6	60.0°	120°	✓
7	51.0°	129°	×
8	45.0°	135°	×
9	40.0°	140°	×
10	36.0°	144°	×
11	33.0°	147°	×
12	30.0°	150°	×
13	28.0°	152°	×
14	26.0°	154°	×

Pi and Honey

Area =  rxr

In and around…..3?

Shall we dance?
Robotics Programming