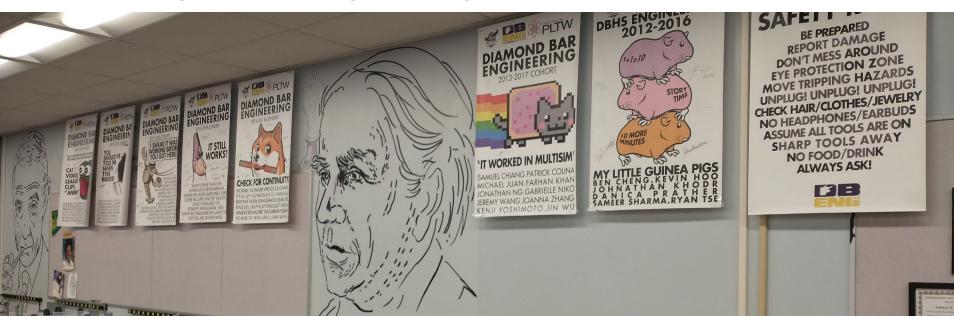
# Back to School Night

**Engineering Program Presentation** 



## Johnny Hwang

Introduction to Design, Digital Electronics, Principles of Engineering, Engineering Design and Development (Senior Project), Introduction to Robotics

# Agenda

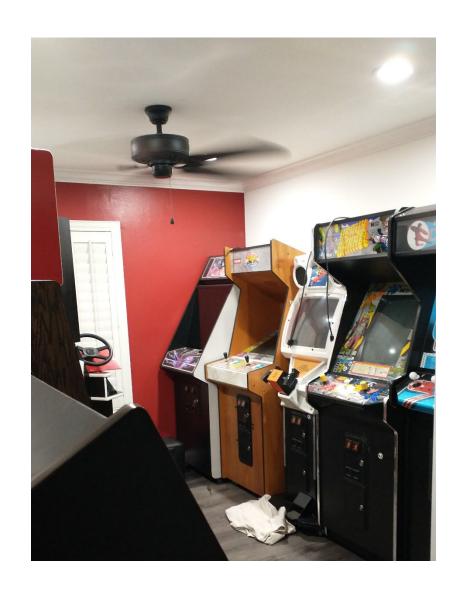
- Introduction
- Tips for success: Class Website, Online Textbook, Parent Portal, Communication
- Homework

- 26<sup>rd</sup> year at DBHS
- B.S. in Biology, M.A. in Educational Technology
- Industrial & Technical Education certified
- Past & Present Classes taught:
  - Introduction to Robotics
  - Introduction to Engineering Design
  - Principles of Engineering
  - Digital Electronics
  - Engineering Design and Development (Senior

Project)

- AP Biology, Honors Biology
- Chemistry
- AP Environmental Science

- Self taught electronics hobbyist
- Restoring 80's arcade machines
- Tinkering with computers and electronics ever since I was young





Project Lead the Way (PLTW) is the leading engineering, computer science, and biomedical engineering curriculum provider whose purpose is to introduce engineering and develop homegrown engineers

What PLTW courses do we offer at DBHS?

Introduction to Design

Principles of Engineering

Digital Electronics

Engineering Design & Development

Why complete the DB engineering pathway?

1st Year class fulfills the UC "f" Visual Performing Arts requirement

- 2<sup>nd</sup> Year, 3<sup>rd</sup> Year, 4<sup>th</sup> Year classes are UC Honors classes
- College Admission Preference
- Scholarships
- Brahma Tech Diploma (All PLTW classes count)
- PLTW California Student Scholar Recognition (At least 3 classes)
- AP & PLTW Scholar Recognition
- Learn industry standard software

Why complete the DB engineering pathway?













Carnegie Mellon University

Yale



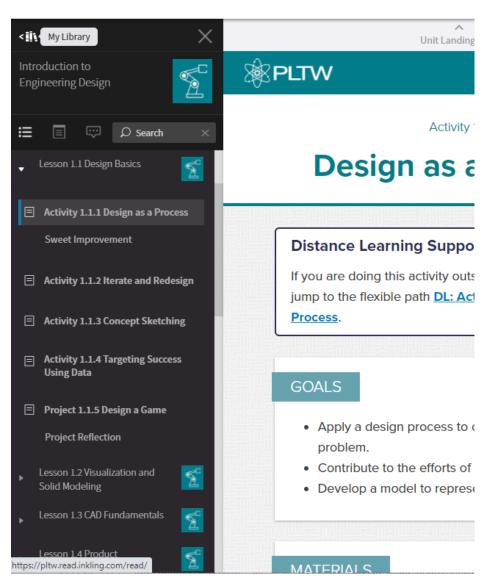
Use of the class website

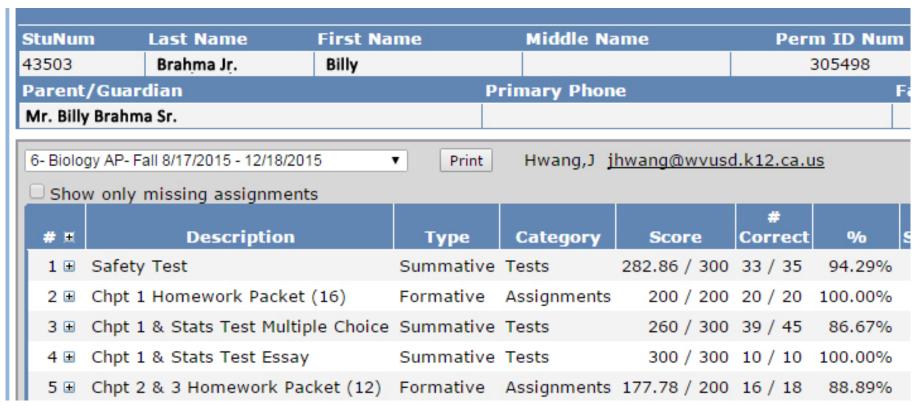
### www.mrhwang.com

 Access the class calendar, study tools, assignments for download etc.



- Our online textbook can be accessed through <u>my.pltw.org</u>
- Some of our software can be accessed or installed at home e.g. NI Multisim, Autodesk Fusion360, Google Docs etc.





- Online assignment packets should always be 100%
- There will be an assignment packet check sometime next week

#### rei a microauction to Engineeri

If any row is garbled, click on the refresh button.

	ID Number	Total	Percentage	8/18/14	8/25/14	9/2/14	
1	309582	27	93%	12	12	3	
	240995	21	72%	14	7	0	
r	310719	16	55%	11	4	1	
_	316550	22	76%	15	5	2	
1	231777	14	48%	9	5	0	
	231944	25	86%	15	10	0	
	308150	18	62%	13	5	0	
	251341	28	97%	17	11	0	
	251074	17	59%	10	6	1 1	
ı	251612	26	90%	16	9	1	45
		Weekly	Averages =	12.9	9.0	0.7	1
	High Total=	29	_				

- Check discussion points weekly
- Students need to answer at least 70% of the top person's total to get full credit
- Encourage them to prepare & answer questions

# Per 4 Introduction to Engineering De

If any row is garbled, click on the refresh button.

ID Number	Total	Percentage	1/4/16	1/11/16	1/18/16	1/25/16	
319847	90	100%	5	5	5	5	
304797	70	78%	5	0	0	5	
231775	90	100%	5	5	5	5	
319171	90	100%	5	5	5	5	
305066	85	94%	5	5	5	5	
313261	90	100%	5	5	5	5	
307856	٩n	100%	5	5	5	5	

- Check participation points weekly
- Students should not be below 100%
- If below, probably due to phone, being offtask, web surfing, not wearing goggles etc.

Communication is the key

Email: jhwang@wvusd.org

Phone: 909-594-1405 x33201

### Homework

- Make sure Aeries email is updated
- Watch the promotional video for the class your student is enrolled in
- Email me a message saying that you did the BTSN homework with your student's name & class in the subject line to earn extra credit for your student.

