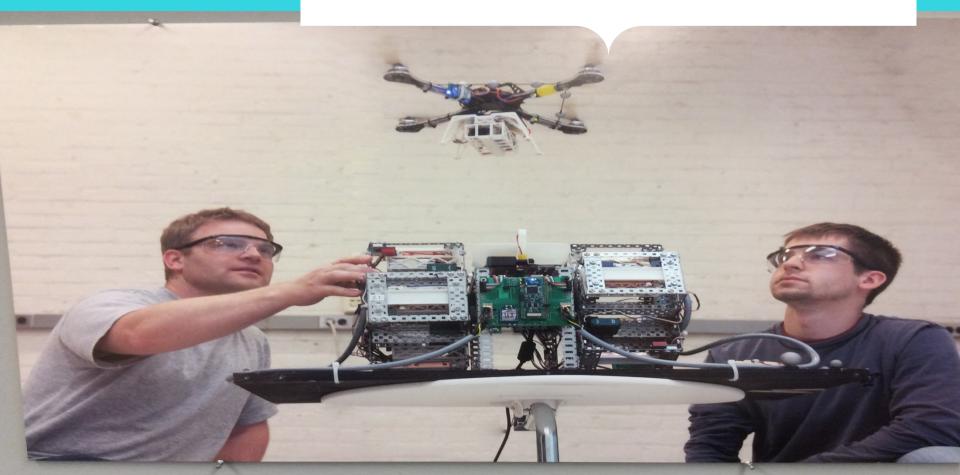


DOVER COURT INTERNATIONAL SCHOOL SINGAPORE

A NORD ANGLIA EDUCATION SCHOOL

24th October 2017

The MIT Partnership and STEAM at DCIS

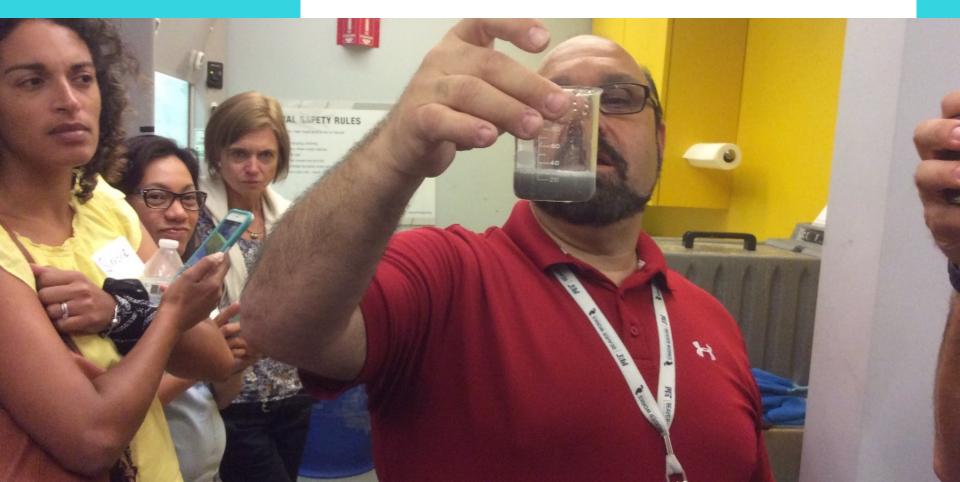


Aims of today's session

- To share information about our partnership with MIT
- To explain what STEAM is
- To explain how STEAM is going to be implemented at DCIS

https:// www.youtube.com/ watch? v=D1DG6TXRvac

Our collaboration with MIT



Three key co

The Three key components

Spring trip for students

Professional Development for teachers Supporting the implementation of STEAM in school







What is STEAM?





ENGINEERING

Is STEAM just another curriculum fad?

"If we teach today as we taught yesterday, we rob our children of tomorrow."

John Dewey

Jobs of the future

	V							
со	ROBOTICS		SPACE SCIENC Asteroid miner exobiologists		SCIENCE	ENERGY & THE ENVIRONMENT		
	Ubiquitous com- puting developer			oace icians		Alternative energy developer		50 YEARS
ілі	FERNET	Data centre technicians		Space tourist pilot	Civilian drone controll	Sustainat consult er Shale gas	-	S
soc	CIAL MEDIA		IT security consultant			engineers	Personal fitness trainer	Image consultant
		Digital image consultant		FUTUR		Dietician/ nutritionist	Life coach	HEALTH
Avatar developer		Professional NOW gamer Digital marketeers		Compliance professional		Biomedica Engineer	•	
AD	VERTISING Archite	25 YEARS		Virtual teacher		counsellors Myotherapists		MEDICINE
	visualiser 50 YEARS BUSINESS		ENT	ENTERTAINMENT		ACHING	THE ELDERLY	
Source: Kent University								

STEAM at Dover Court this academic year

MIT have set us some challenges!

Challenge 1: Greener Skies

Overview: The demand for air travel is expected to double or even triple by mid-century. To reduce the impact to the environment that goes hand-in-hand with that growth, new planes (some designed and tested here at MIT) are on the horizon.

Challenge 2: Rethink/Refuel

Overview: MIT is exploring alternatives to fossil fuels that could be used to power cars and planes. One such alternative is biofuel, created from plant or other organic matter. But of course there are pros and cons.

Challenge 3: Street Smarts

Overview: Self-driving cars seem like science fiction, but the fact is they're being tested on the streets right now! And many of the cars on the road today have "smart" features and sensors intended to make driving safer. Street Smarts allows Nord Anglia students to explore their questions about the safety, technology, and ethics of autonomy.



Questions about MIT or STEAM

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Thank you.

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