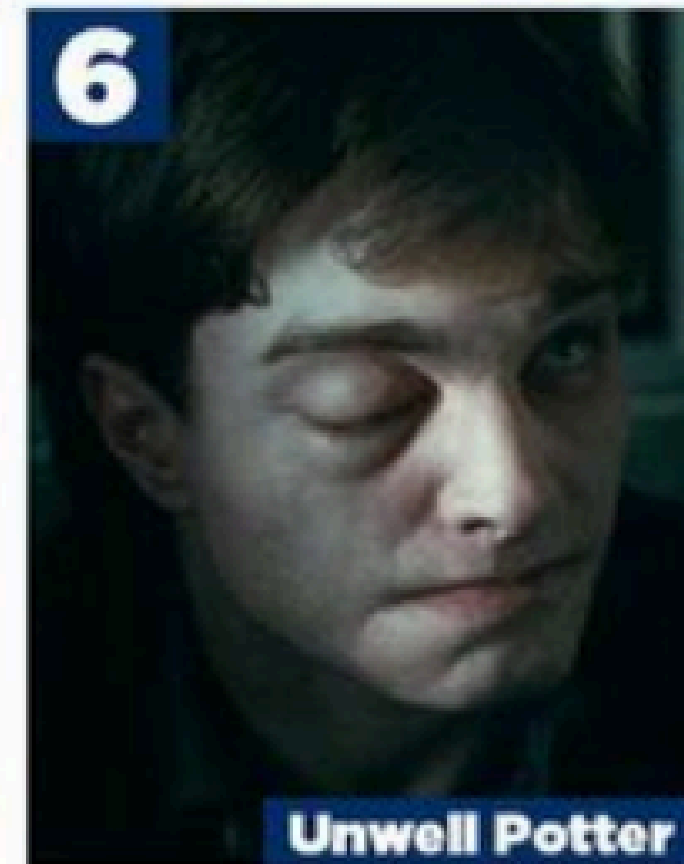
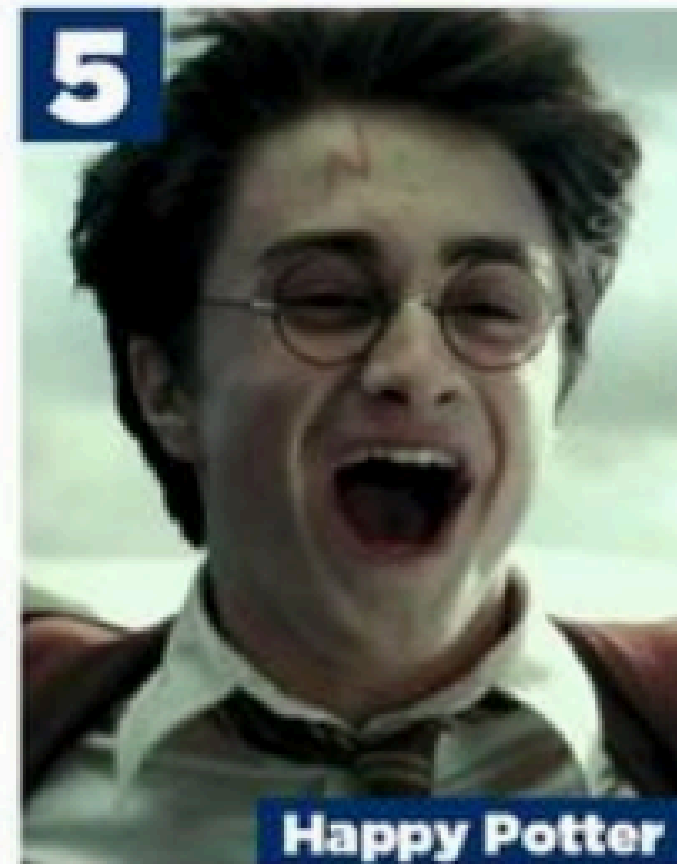
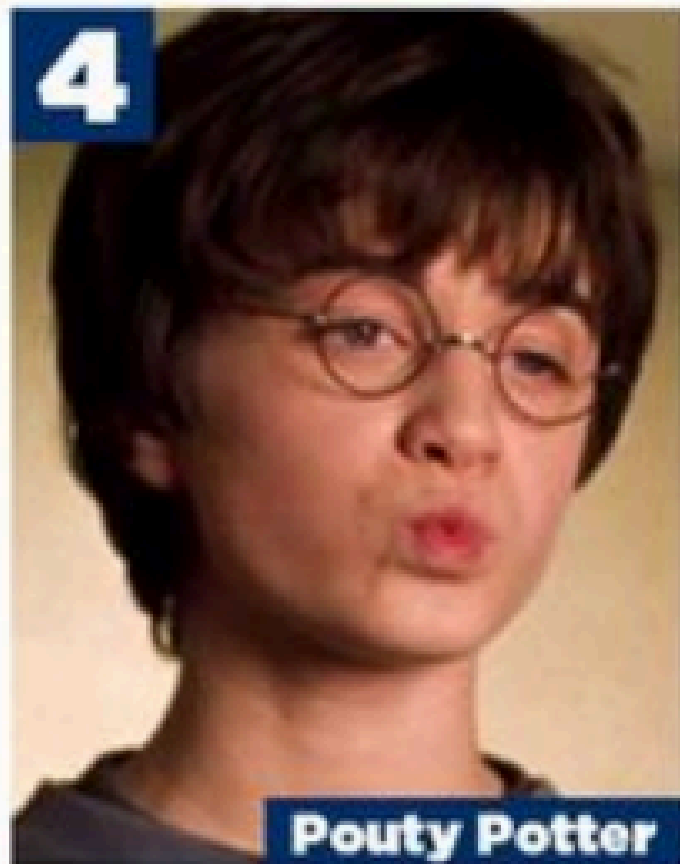
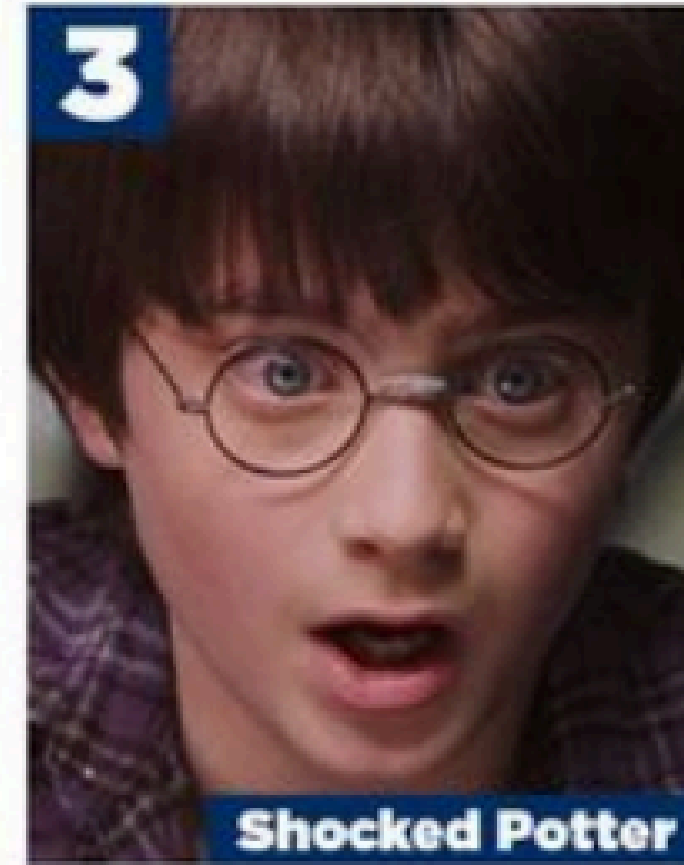
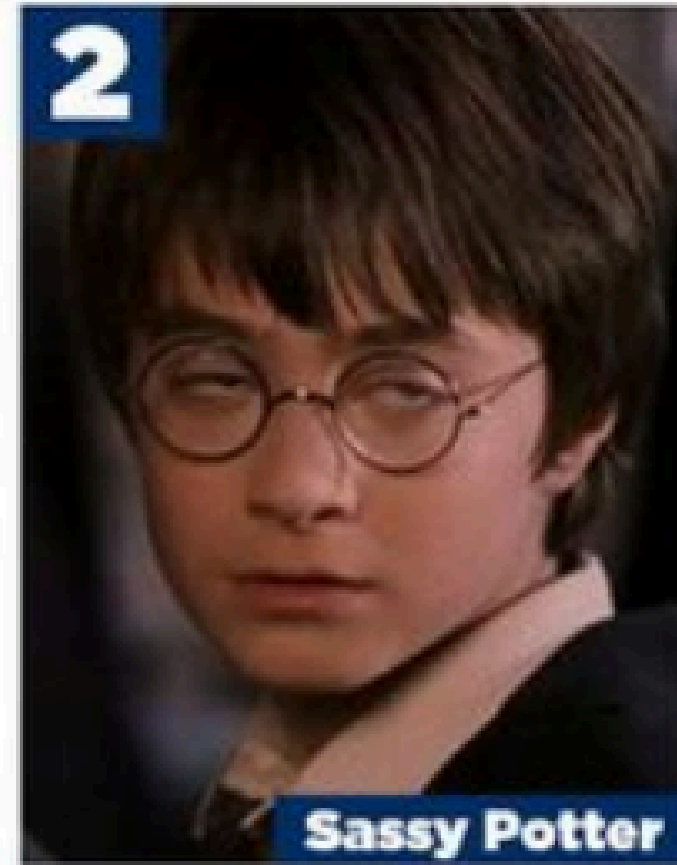


Which Harry Potter are you today?







Unit 1: CAD/CAM

Happy birthday, SUIS!

Unit duration: 14 weeks



Task:

- Each of you **designs a 3D word block** with connectors in Tinkercad.
- Each group outputs 2 blocks using a 3D printer.
(words should be associated with SUIS culture)



Prerequisite tasks:

1. 14 tutorials in tinkercad program's learning center.
2. Printed 3D design of any existing product related to a birthday theme
(1 design per group)

Grades for unit 1 depend on:

Submissions:

1. **Poster (1 per group) and template (everyone)**
2. **All tutorials (individual)**
3. **Print existing design (1 object per group)**
4. **Print your design (1 per group)**

Standards:

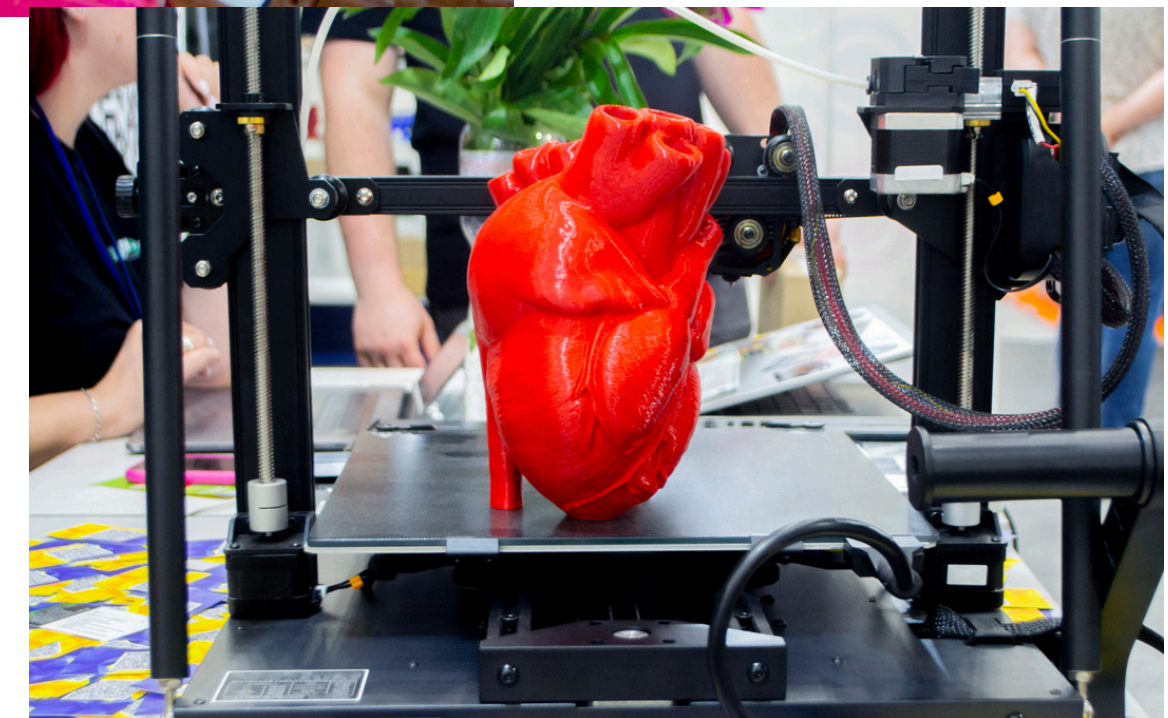
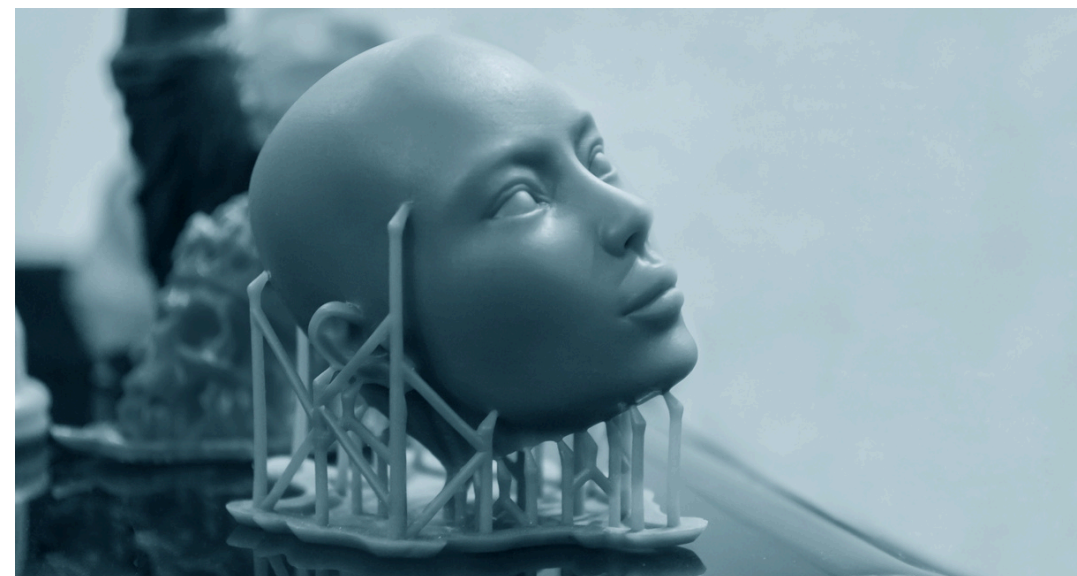
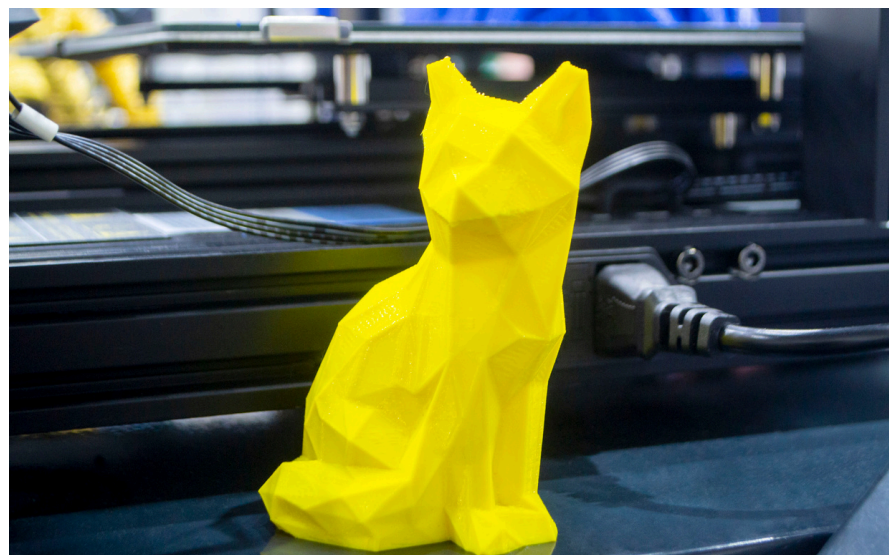
- **Creativity and Innovation**
- **Technical skills and quality of work**
- **Classroom behavior and Attitude to learning**

Goals:

-  **1. Develop CAD and CAM Skills:**
-  **2. Develop Creativity and Design Thinking**
-  **3. Enhance Project Management skills**
-  **4. Analyze the roles of brand identity and brand image.**

1 Develop CAD and CAM Skills

Promote Technological Literacy and Safety Awareness



- 1. What is additive manufacturing?**
- 2. What is the first step in 3D printing?**

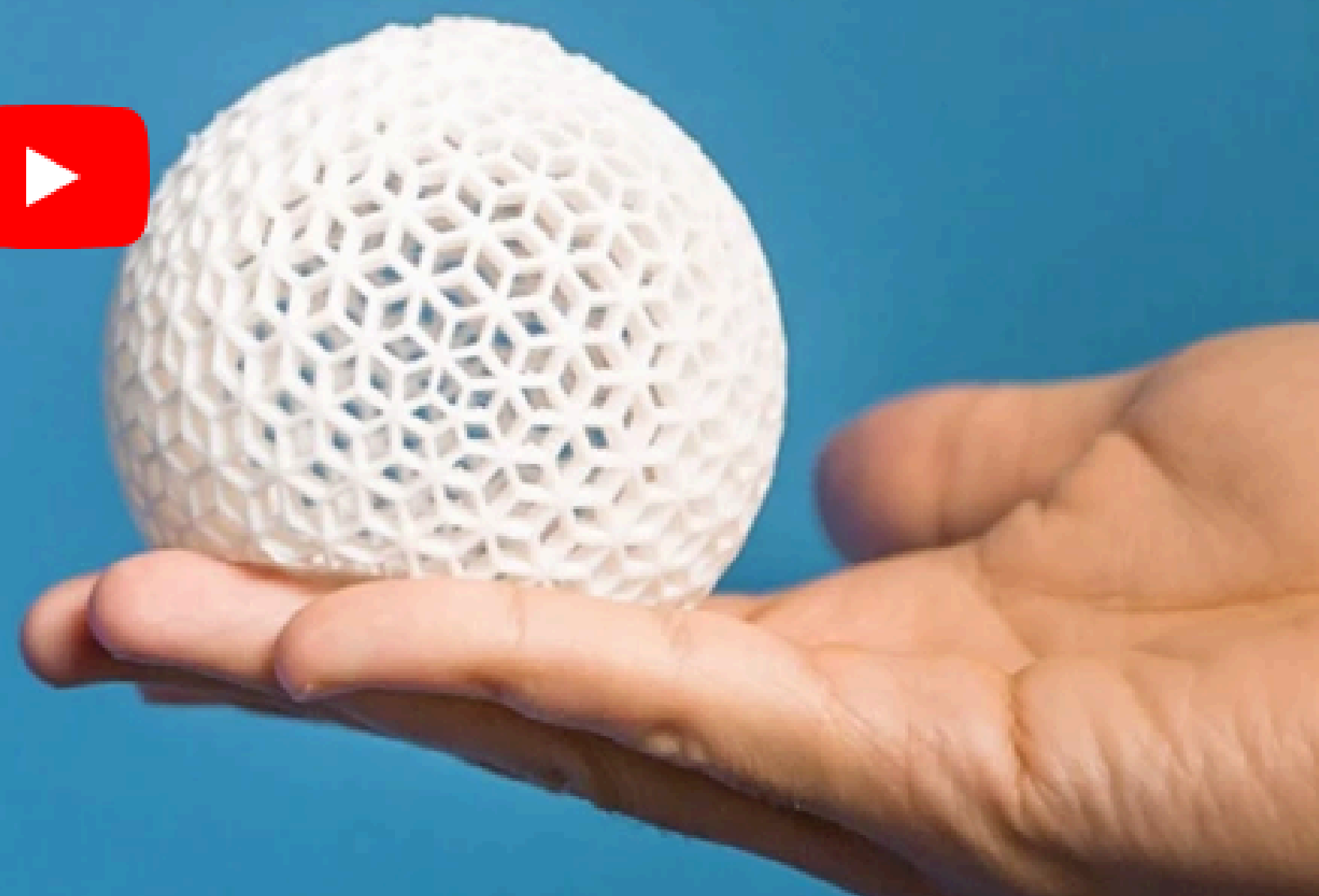


What Is 3D Printing and How Does It Work? | Mashable Explains



Share

3D PRINTING

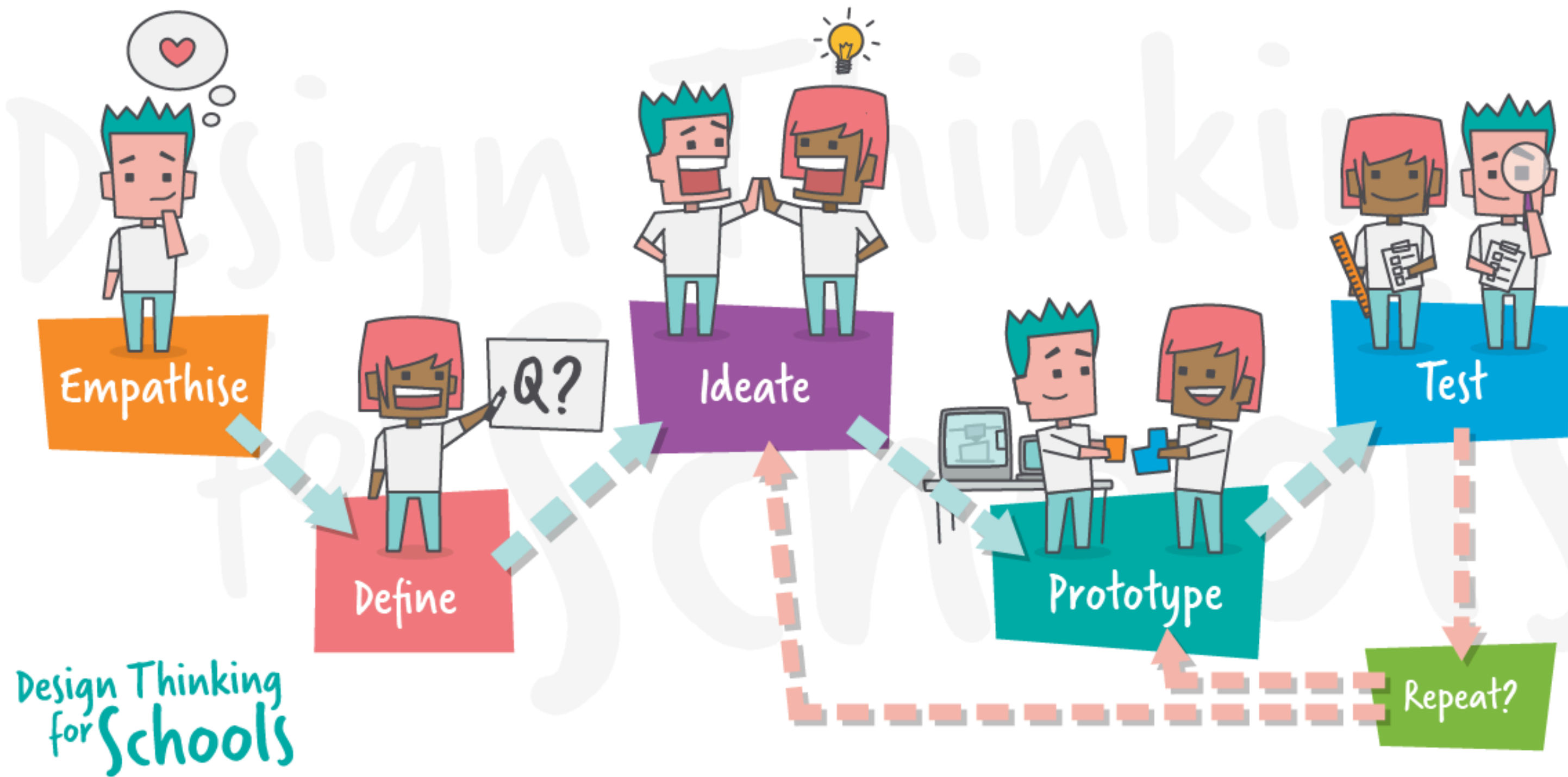


Watch on  YouTube

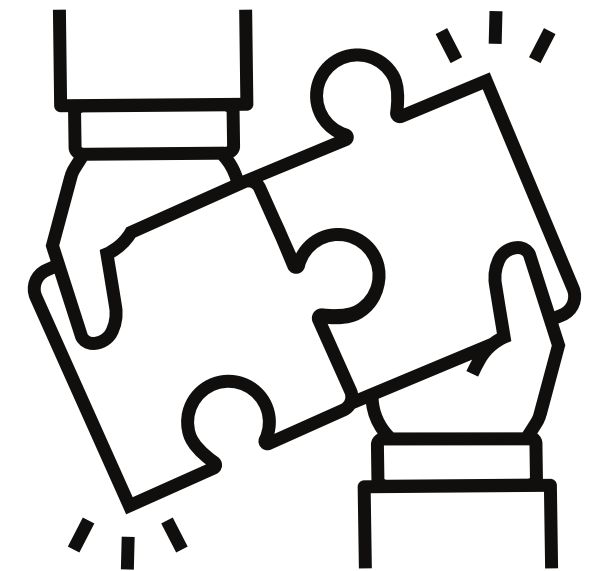
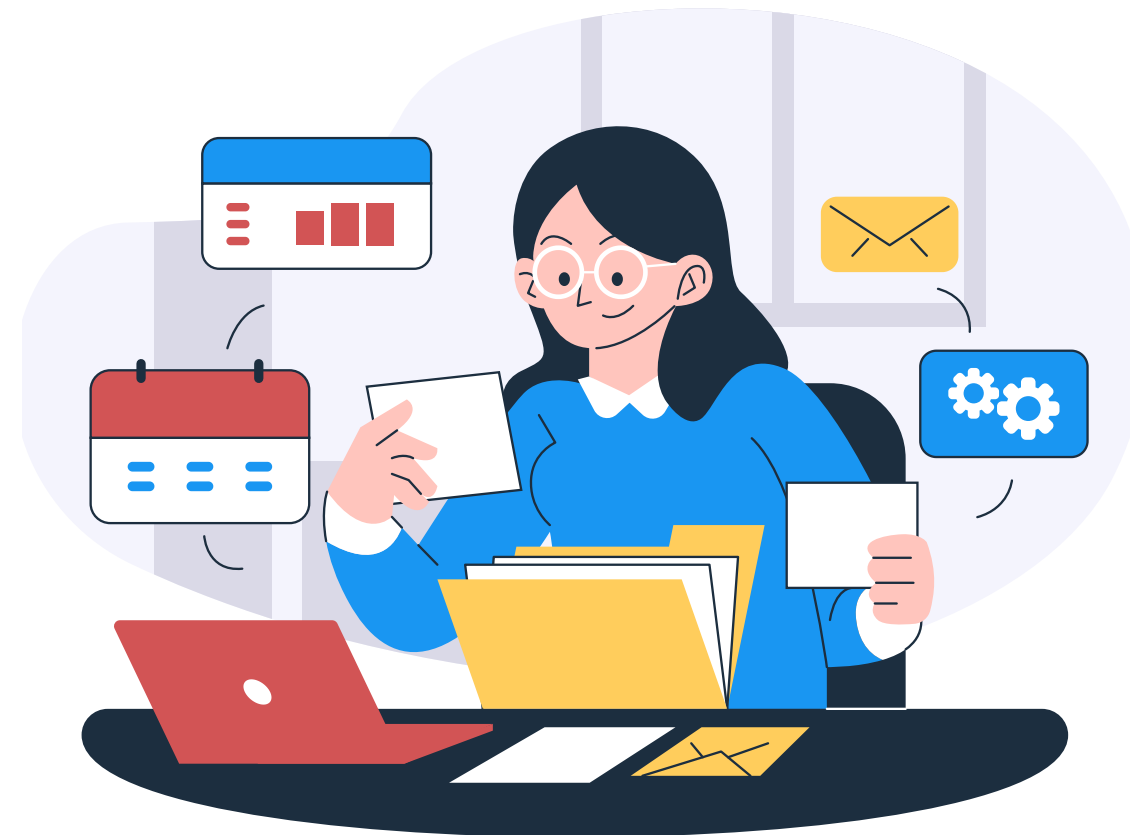
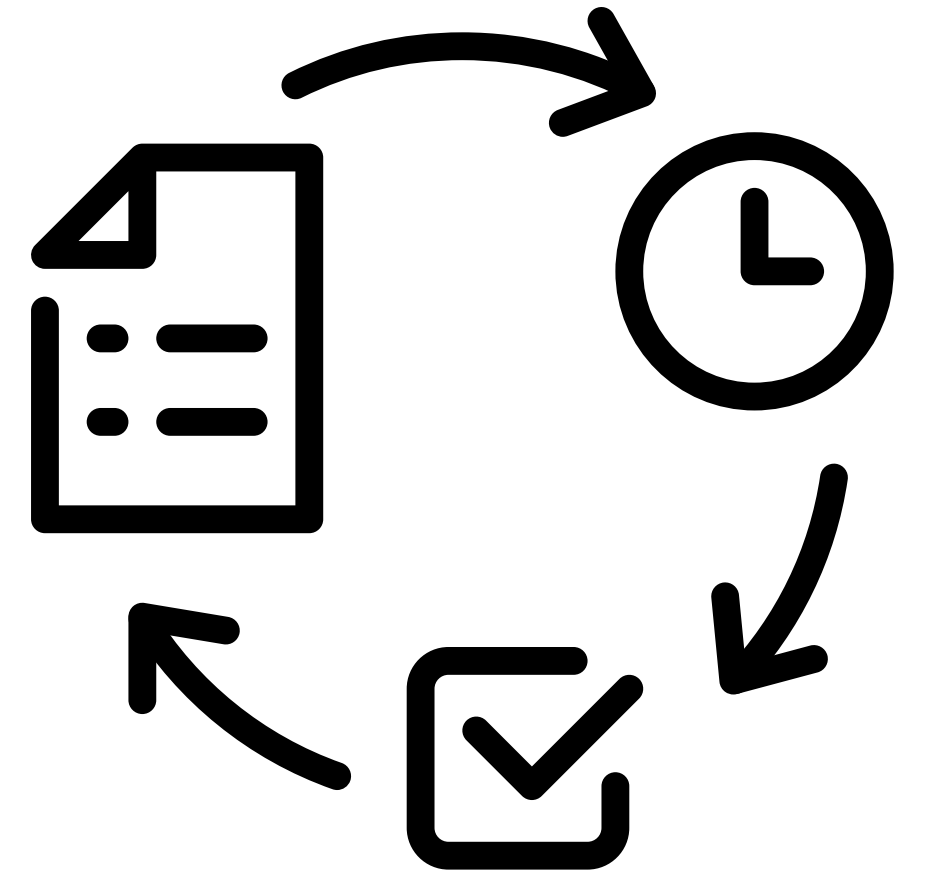
1. **What is additive manufacturing?**
2. **What is the first step in 3D printing?**



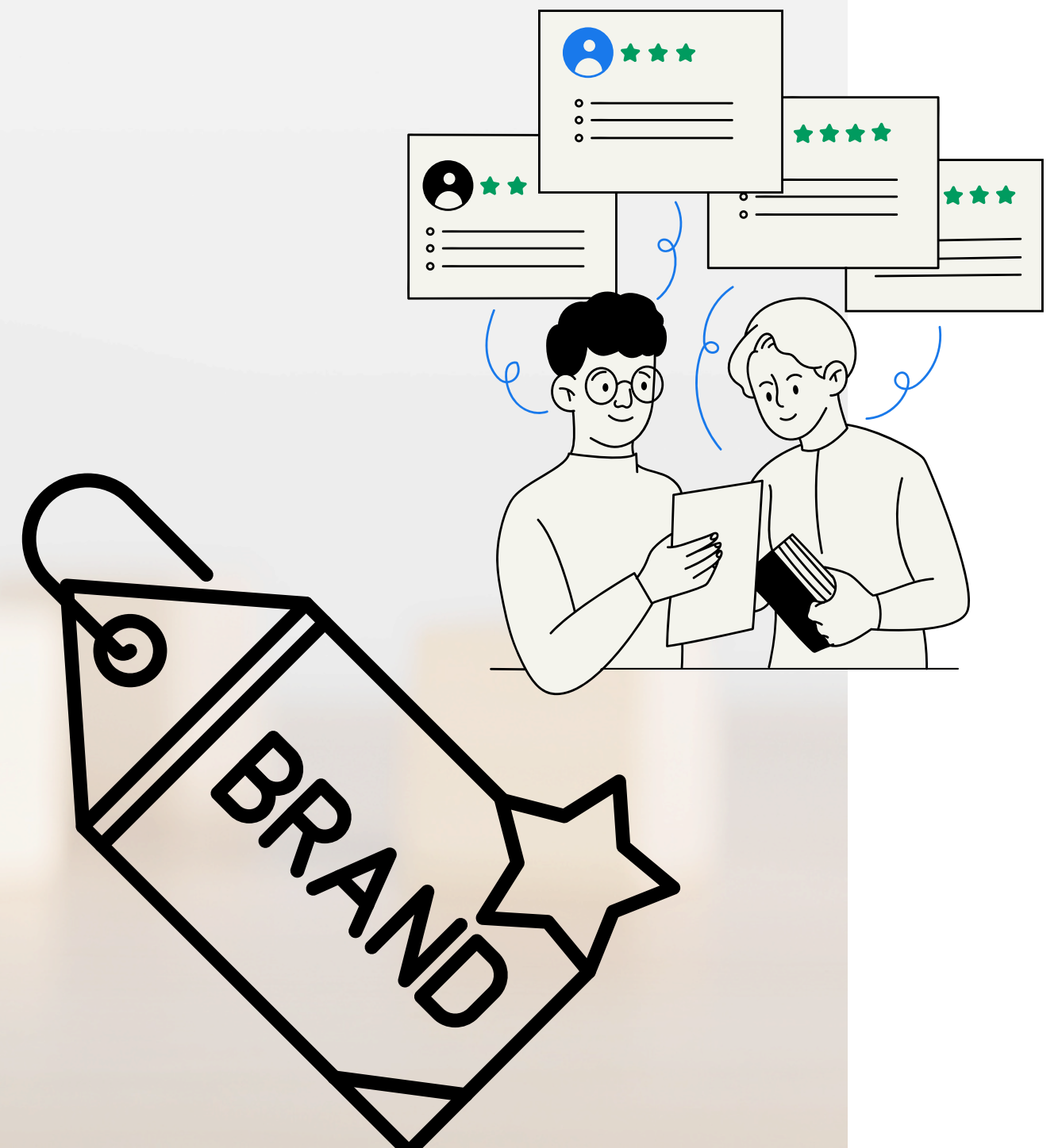
2 Develop Creativity and Design Thinking



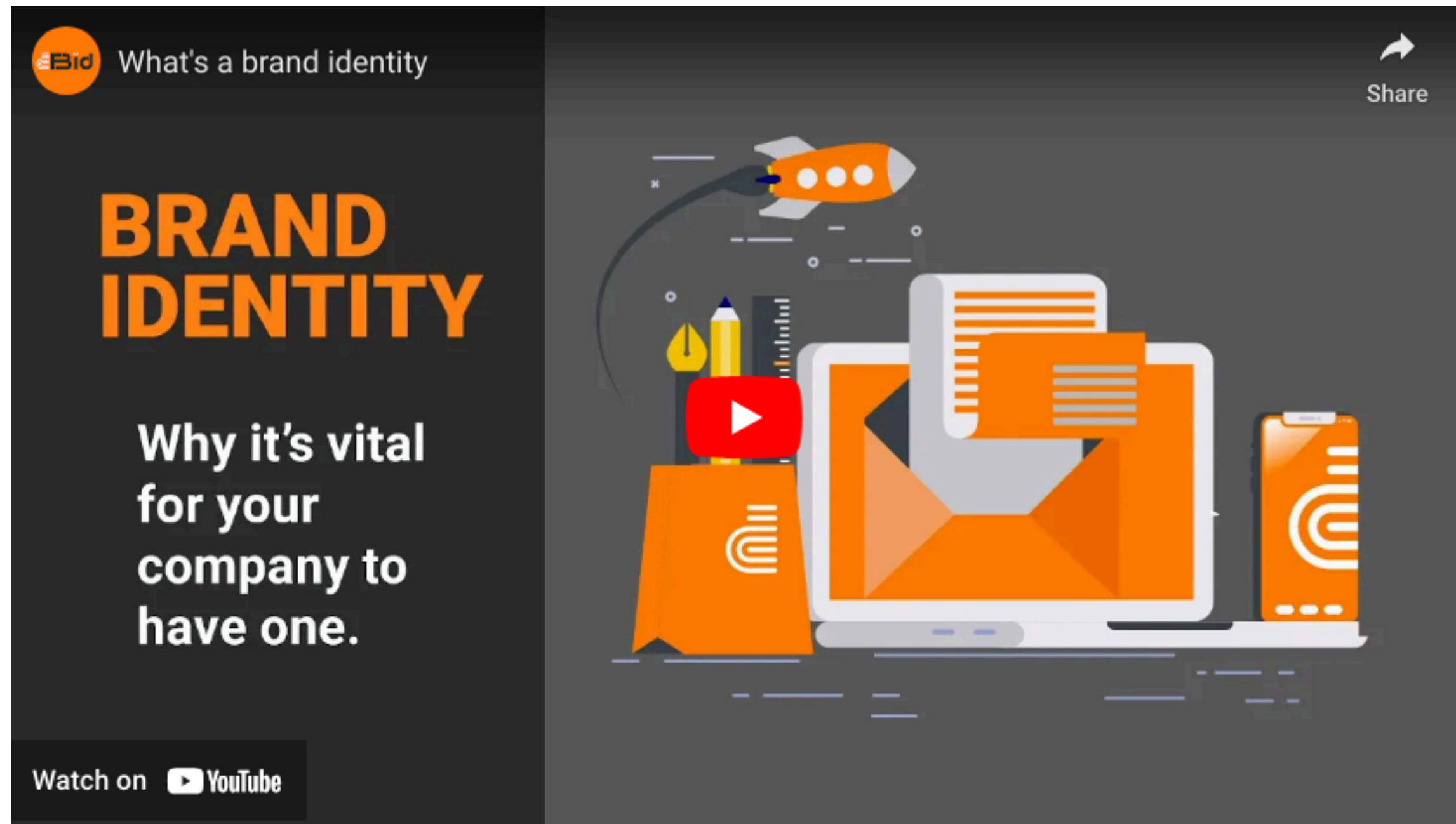
3 Enhance Project Management skills



4 Analyze the roles of brand identity and brand image.



What is a brand identity?



Our school's brand and culture



[SUIS QP website](#)

Think-Pair-Share:

What is a brand? School culture?

What comes to your mind when you think about your school?

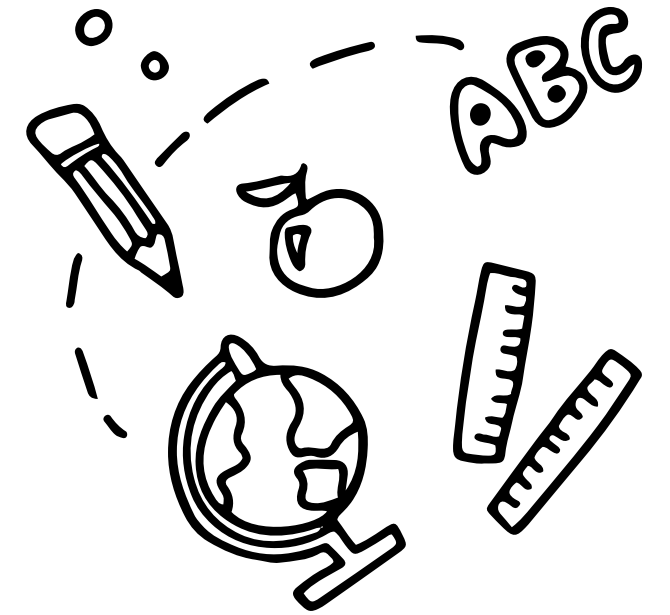


Create your own poster!

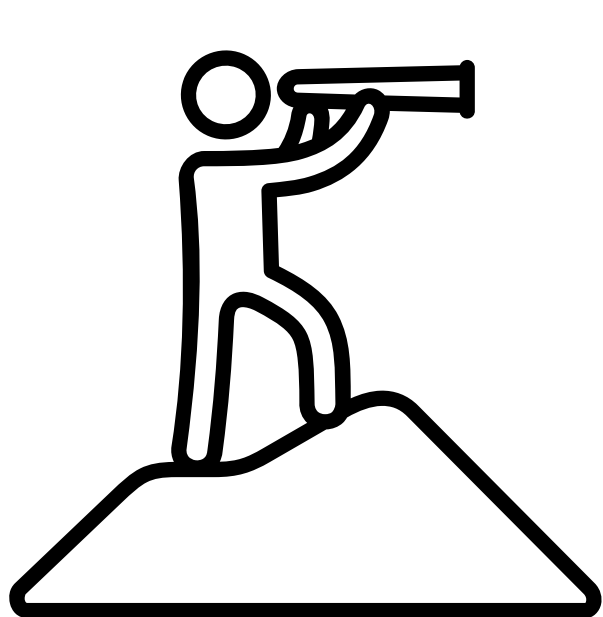
In groups of 5 students



Words
associated
with SUIS QP



Colors



VALUES