SUSTAINABLE BRILLIANCE

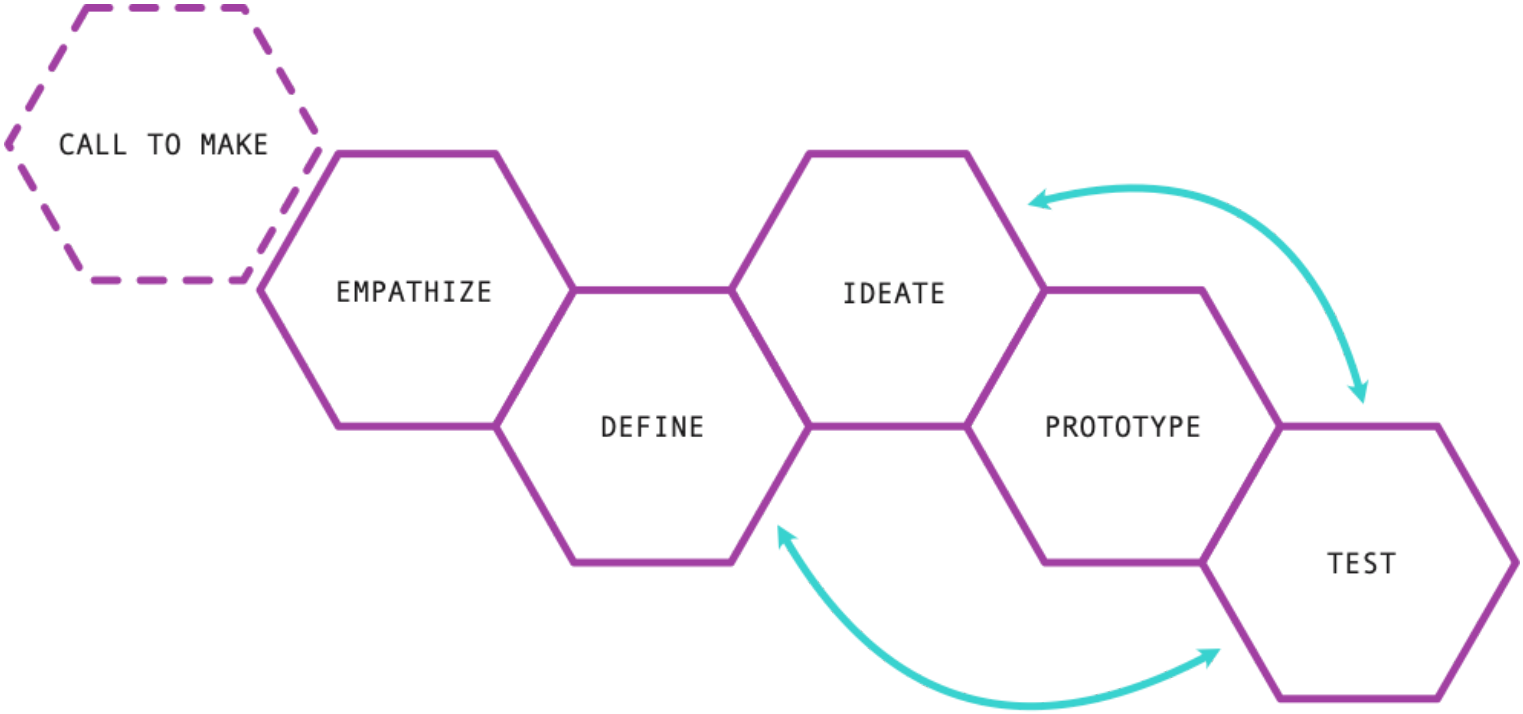
INNOVATION CHALLENGE

COMMUNITY OF THE FUTURE

Brilliant LABS

LABOS Créatifs

Brilliant LABS LABOS Créatifs



BRILLIANT LABS' FRAMEWORK FOR MAKING BRILLIANT THINGS.

ADAPTED FROM THE D.SCHOOL'S DESIGN THINKING FRAMEWORK [STANFORD UNIVERSITY]

DEVELOPING SUSTAINABLE BRILLIANCE

WHAT ARE THE BIGGEST PROBLEMS IN THE WORLD?

EMPATHIZE

SUSTAINABLE DEVELOPMENT GOALS

THE WORLD IS A VERY BIG PLACE AND THERE ARE ENDLESS WAYS IN WHICH WE CAN MAKE OUR PLANET AND OUR COMMUNITIES A BETTER PLACE TO LIVE, TO LEARN, AND TO ENJOY.

WE DON'T EXPECT YOU TO SOLVE ALL OF THE WORLD'S PROBLEMS WITH JUST ONE PROJECT SO RESEARCH AND CHOOSE SOMETHING YOU CARE ABOUT!

HERE ARE SOME IDEAS TO GET YOU STARTED:

- DEVELOP AN IDEA FOR A LOW COST AND LOW WASTE NUTRITIONAL FOOD TO HELP YOUR COMMUNITY.
- FIGURE OUT A WAY FOR ELECTRIC VEHICLES TO CREATE THEIR OWN ENERGY WHILE MOVING TO LESSEN THE ENERGY NEEDS OF YOUR COMMUNITY.
- DESIGN A CAMPAIGN TO RAISE AWARENESS ABOUT CLIMATE CHANGE IN YOUR SCHOOL OR COMMUNITY AND GET LOCAL BUSINESS OR INDUSTRY INVOLVED.
- CREATE AN APP THAT WILL HELP MONITOR ENERGY CONSUMPTION IN YOUR COMMUNITY AND SEE HOW THEY CAN HELP TO REDUCE WASTE.
- ITERATE ON SOME CURRENT CLEAN ENERGY SOLUTIONS TO HELP YOUR COMMUNITY.
- PROMOTE GENDER EQUALITY OR MENTAL HEALTH IN INNOVATIVE WAYS.
- GET INVOLVED IN FINDING A SOLUTION TO CLEANING MICRO PLASTICS FROM OUR OCEANS AND HELP OUR FISHING COMMUNITIES.

DEVELOPING SUSTAINABLE BRILLIANCE

DO YOU FIND IT DIFFICULT TO SOLVE BIG PROBLEMS? START SMALL WITH A REALISTIC FIRST STEP!

HOW TO USE THIS GUIDE

This teacher planning guide mirrors the student learning journal.

It is meant to plan each lesson as it corresponds to student making brilliant things.

Remember this framework is there to guide you, don't hesitate to make it you own.

WE FIND THESE LESSONS ARE SOMETIMES DIFFICULT TO PLAN, REMEMBER TO BE OPEN TO CHANGE ALONG THE WAY.

DON'T FORGET, HOW CAN WE APPLY OUR LOCAL ACHIEVEMENTS GLOBALLY

How will you help your students go in depth and scratch below the surface ?

What will your class look like ? Do you need to rearrange furniture ?

What reflective question will you as your students ?

What materials will help inspire student creativity ?

How does this link this to your curriculum ?

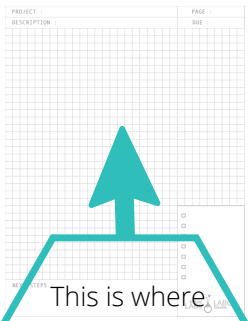
Where do you think you will be able to see what the student have learned ?

How is this related to the global competencies ?

This is where you will see how it related to the student guide.

CONTEXTUAL SETTING	PHYSICAL SETTING
WHAT WILL THE STUDENTS DO	
WRAP UP	
MATERIALS	
CURRICULAR OUTCOMES SUPPORTED	
OPPORTUNITY FOR EVALUATION AND ASSESSMENT	
ESTIMATED DELIVERY TIME	
KEY CONCEPTS	
GLOBAL COMPETENCIES	

CRITICAL THINKING AND PROBLEM SOLVING
INNOVATION, CREATIVITY, AND ENTREPRENEURSHIP
LEARNING TO LEARN/SELF-AWARENESS AND SELF-DIRECTION
COLLABORATION
COMMUNICATION
GLOBAL CITIZENSHIP AND SUSTAINABILITY



DEVELOPING SUSTAINABLE BRILLIANCE

WHAT IS THE BIGGEST PROBLEM IN THE WORLD FACING OUR COMMUNITIES OF THE FUTURE?

EMPATHIZE

HERE STUDENTS REFLECT ON THE BIGGEST PROBLEM IN THE WORLD, AFTER HAVING READ THE 17 SUSTAINABLE GOALS.

CONTEXTUAL SETTING	PHYSICAL SETTING

WHAT WILL THE STUDENTS DO

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OPPORTUNITY OF EVALUATION

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GLOBAL CITIZENSHIP AND SUSTAINABILITY

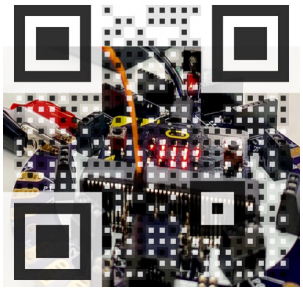
illustrate

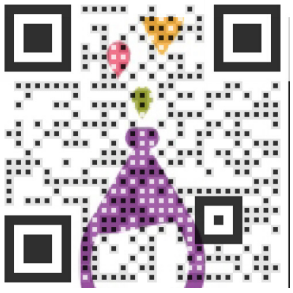
DEVELOPING SUSTAINABLE BRILLIANCE

DEFINE

RESEARCH AND RESOURCES

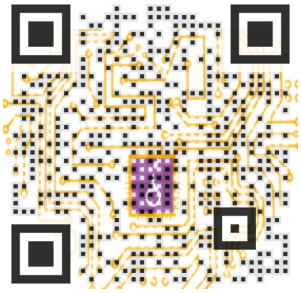
CODE YOUR BBOARD





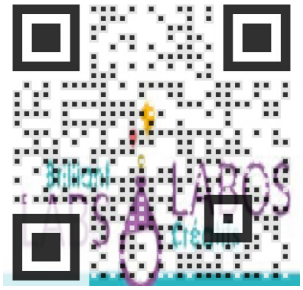
CONTACT US

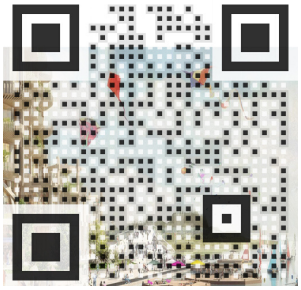
DEVELOPING SUSTAINABLE BRILLIANCE



BRILLIANT LABS PROJECT PORTAL

BRILLIANT LABS WEBSITE





SIDEWALK LABS RESEARCH & IDEAS

REGISTER FOR THE COMMUNITY OF THE FUTURE INNOVATION CHALLENGE AND REQUEST MATERIALS

DEVELOPING SUSTAINABLE BRILLIANCE

DEFINE THE PROBLEM

DEFINE

Here students reflect on the biggest problem in the world, after having read the 17 sustainable goals.

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COMMUNICATION
GLOBAL CITIZENSHIP AND SUSTAINABILITY

PROPOSE A SOLUTION

DEVELOPING SUSTAINABLE BRILLIANCE

PROJECT PROFILE

DEFINE

HERE THE STUDENTS DEFINE THEIR PROJECT AND THE REASONS FOR IT.

CONTEXTUAL SETTING

PHYSICAL SETTING

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PROJECT TITLE	DATE
DESCRIPTION	DEADLINE
	MENTOR
	PARTNER
	Brilliant LABS LABOS Créatifs

MY PRE-EXISTING KNOWLEDGE ABOUT THIS PROJECT:
WHO DOES THIS PROJECT BENEFIT?
WHY AM I PASSIONATE ABOUT THIS PROJECT?
HOW CAN I SHARE THE STORY OF THIS PROJECT WITH OTHERS?

illustrate

DEVELOPING SUSTAINABLE BRILLIANCE

DECOMPOSITION OF THE PROJECT

DEFINE

HERE STUDENTS TAKE THEIR PROJECT APART IN ORDER TO BE ABLE TO MANAGE THE DIFFERENT TASKS AND IN ORDER TO SET GOALS.

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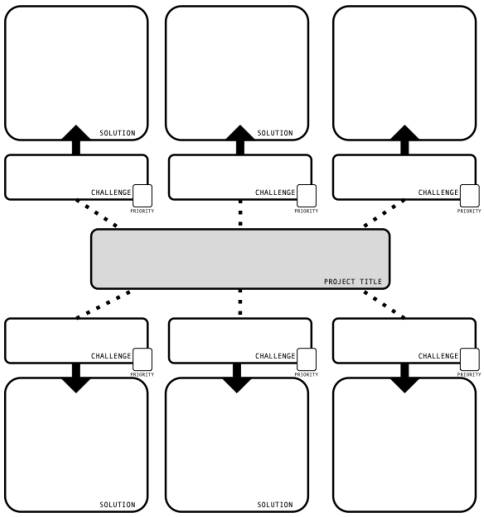

DEVELOPING SUSTAINABLE BRILLIANCE

PROTOTYPE

HERE THE STUDENTS START DESIGNING THEIR PROTOTYPE, THEY SHARE WITH OTHERS AND THEY LOOK FOR IDEAS.

PROTOTYPE

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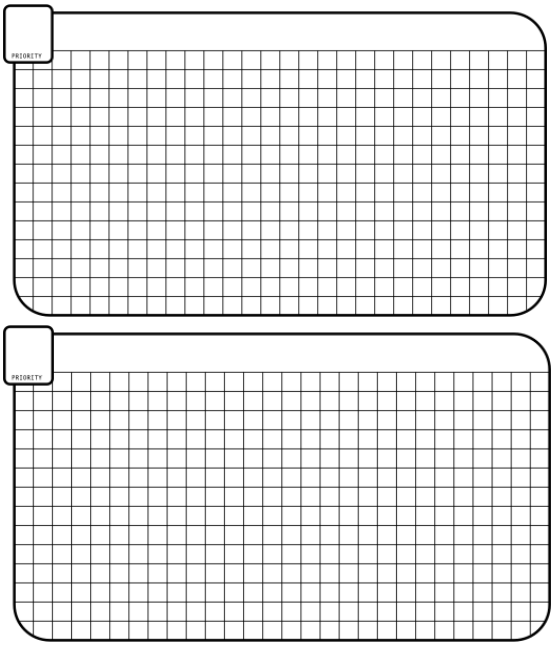

DEVELOPING SUSTAINABLE BRILLIANCE

WORKSHEET

IDEA

HERE STUDENTS DESIGN, MODIFY, RETHINK THEIR DESIGN. THEY EVALUATE DIFFERENT FUNCTIONS AND DIFFERENT MATERIALS.

CONTEXTUAL SETTING

PHYSICAL SETTING

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PROJECT :
PAGE :
DESCRIPTION :
DUE :
NEXT STEPS :

DEVELOPING SUSTAINABLE BRILLIANCE

DEADLINES OF THE PROJECT

IDEA

THE STUDENTS REFLECT ON THEIR TIMELINE AND SET THEIR LIMITS. THE TEACHER CAN GIVE DEADLINES IN ORDER TO HELP THE PROJECT MOVE ALONG. CONTEXTUAL SETTING

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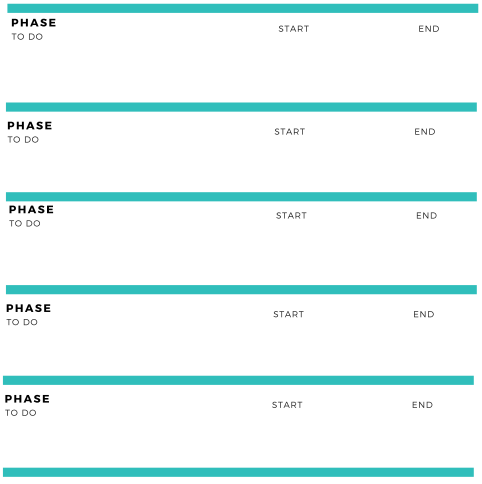

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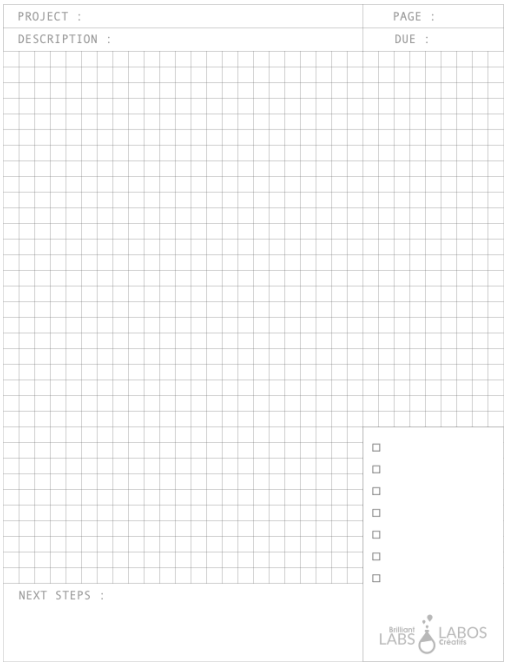

DEVELOPING SUSTAINABLE BRILLIANCE

TEST IT OUT

TEST

HERE STUDENTS DESIGN, MODIFY, RETHINK THEIR DESIGN. THEY EVALUATE DIFFERENT FUNCTIONS AND DIFFERENT MATERIALS.

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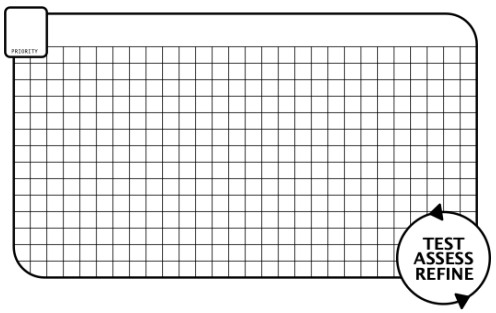

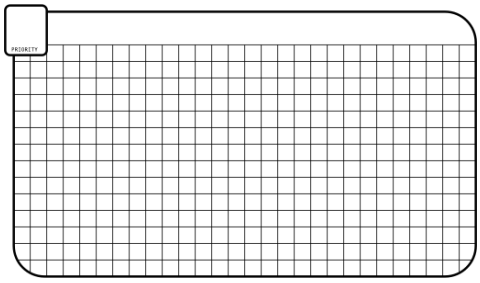

DEVELOPING SUSTAINABLE BRILLIANCE

TEST

TO DO CHECKLIST

TEST

ASK

WHO CAN I ASK FOR HELP?

DEVELOPING SUSTAINABLE BRILLIANCE