

# Problem Solving by Design 9



## Course Description

This course teaches students the process of using critical and creative thinking skills when designing to meet specifications.

Students are guided through the following design stages:

1. Identifying the Criteria for Success
2. Ideating
3. Developing an Action Plan
4. Testing, Seeking feedback, and Revising
5. Reflecting

Students are encouraged to use this same process to complete all other projects in the course, but these steps are only required to be submitted for the Guided Website Project and the next two projects. The goal is for students to thoroughly understand and use the design process independently by the time they finish this course.

## Course Materials

There is no textbook issued for this course. Instead, lessons and assignments are provided within the course.

## Curriculum

The Curriculum for this course is available at: [Applied Design, Skills, and Technologies 9](#)

## Assessment & Evaluation

Item	Weight
Guided Website Project	25%
Projects 1 and 2	50%
Projects 3, 4, and 5	15%
Ticket Out Of Course	10%

## **When learners are not meeting the learning outcomes/falling behind**

When learners fall behind the expected pace or plan, they will be contacted via email or phone and if there is no improvement or response, parents will also be contacted.

Learners are expected to let the course teacher know when they are struggling with course content. In response, the course teacher will provide appropriate help or strategies to support learning. The course teacher will also provide feedback on course work to support learning and help learners improve. Parents will be made aware if their child is actively working but struggling to meet the learning outcomes of the course.

## **Inactivity and Communication**

Learners are expected to login and submit work in their online courses on a weekly basis. EBUS teachers monitor learner participation, work submission and periods of inactivity in their courses. Learners who do not submit assignments will receive an e-mail or phone call.

Communication between learners and teachers is important. EBUS Academy offers a flexible learning environment, and we understand that various circumstances can arise that prevent learners from engaging in their courses. When learners anticipate being absent from their online course, they should contact their teacher in advance, whenever possible.

## **Integrity Policy**

Click on the link below for the EBUS Integrity Policy:

[EBUS Integrity Policy](#)

At EBUS, you're expected to complete your own work and use tools—including AI—responsibly. Integrity means showing what you know and giving credit when you use help or ideas from others.

### **Exams, Tests, and Quizzes**

Complete all tests independently without notes, devices, or AI unless permitted by your teacher.

Cheating or unauthorized use of AI/internet may result in a zero, test retake under supervision, or other consequences.

### **Plagiarism**

Plagiarism is using someone else's words, ideas, or AI-generated work as your own. Avoid it by writing in your own words and citing all sources (including AI tools). Use bibme.org for citations. Consequences range from warnings to zeros to redoing work under supervision.

### **AI Use**

AI tools may only be used when explicitly permitted by your instructor. If allowed, you must include an AI Use Statement (e.g., "Used ChatGPT [May 2025] to brainstorm ideas; rewrote in my own words") and cite the tool. AI-written essays, code, or images submitted as your own work are not permitted.

### **Consequences**

If unauthorized help or AI use is suspected, your teacher will contact you. Consequences depend on severity and may include warnings, resubmission, zeros, or withdrawal from the course.

## **Learner Expectations**

- Adhere to the EBUS Academic Integrity Policy.
- Contact your teacher when help is needed.
- Review feedback from assignments and tests, where applicable.
- Work to complete the course in a timely manner.
- Communicate respectfully.
- Review biweekly progress reports.

## **Reporting**

There are three Written Learning Updates that are accessible from the learner dashboard. An email will go out when these are available.

The teacher will regularly send out progress reports showing the learner's progress, on weeks that EBUS Academy is in session.