

# English for Specific Purposes

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*NHSM - Sidi Abdellah-*

# Table des matières

<b>Objectifs</b>	<b>3</b>
<b>I - Chapter Two : Understanding Individual Learning Styles and Intelligences</b>	<b>4</b>
1. The Specific Objectives of This Chapter .....	4
2. Types of Learning Styles.....	4
3. Exercice : Short answer quiz : I have grasped the concept !.....	6
4. Gardner's Multiple Intelligences .....	6
5. Exercice : Multiple choice quiz : Let me check my understanding of "Gardner's Theory of Multiple Intelligences" !.....	7
6. Exercice : Paragraph writing : Let's dedicate some time to writing !.....	7
<b>Solutions des exercices</b>	<b>8</b>
<b>Abréviations</b>	<b>9</b>
<b>Bibliographie</b>	<b>10</b>

# Objectifs

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At the end of this whole ESP course, first-year preparatory-cycle students at NHSM will be able to:

- **Understand** study skills and their importance.
- **Recognize** the multiplicity of learning styles and preferences.
- **Outline** the different ways of overcoming academic obstacles.
- **Design** a comprehensive study plan that integrates study skills, personal learning styles and preferences, and strategies to overcome obstacles and cultivate a growth mindset.

# Chapter Two : Understanding Individual Learning Styles and Intelligences



Understanding different **learning styles** is essential for students to **optimize their study methods** and **enhance their learning outcomes**. **Learning styles** encompass various preferences and approaches to **acquiring knowledge**, including **visual, auditory, kinesthetic**, and **reading/writing** modalities.

## 1. The Specific Objectives of This Chapter

At the end of this second chapter, students will be able to:

- Identify the different types of learning styles (visual, auditory, kinesthetic) and Gardner's multiple intelligences (e.g., linguistic, logical-mathematical, spatial).
- Apply their knowledge of learning styles and multiple intelligences to identify their own learning preferences.

## 2. Types of Learning Styles



They are widely known as **VARK\*** learning styles, strategies or techniques. **V**: visual; **A**: auditory; **R**: Reading/writing; and **K**: kinesthetic.

- **Visual Learners**: These learners prefer learning through **visual aids** such as **diagrams, charts**, and **graphs**. They benefit from using **color-coded notes, mind maps**, and **visual mnemonics** to enhance **comprehension**. Below are two illustrative examples of two techniques used by visual students.

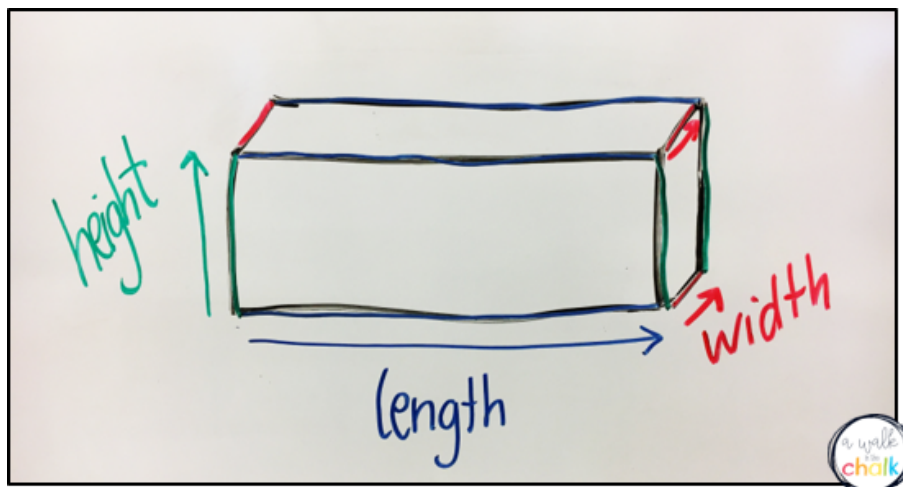


Figure 3 : Example One of Visual Students' Techniques

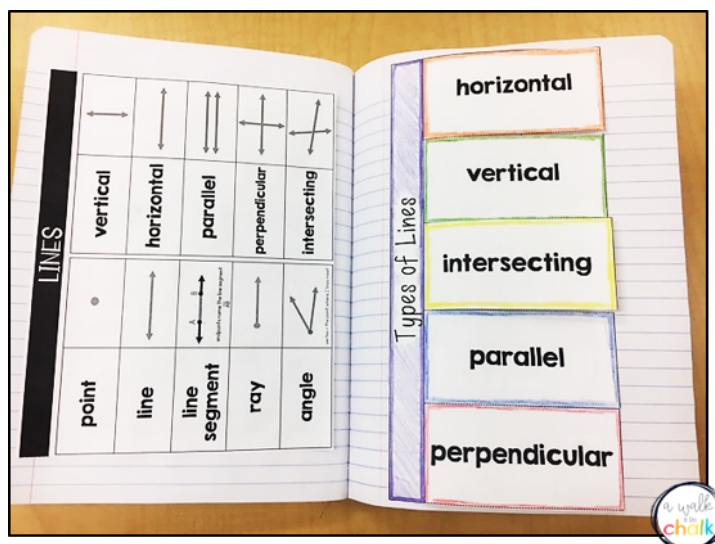


Figure 4 : Example Two of Visual Students' Techniques

- **Auditory Learners:** Auditory learners excel in learning through **auditory cues** such as **lectures**, **discussions**, and **verbal explanations**. They may benefit from **recording lectures** or **readings to listen to** later, **participating in group discussions**, and **explaining concepts out loud**. Effective study strategies for auditory learners involve **engaging in discussions**, listening to **recordings** or **podcasts**, and **verbalizing concepts** to reinforce understanding.

? **Example**

**Numberphile** is a **podcast** channel available on Spotify that auditory math students might find interesting.

**Kinesthetic Learners:** Kinesthetic learners learn best through hands-on activities, movement, and tactile experiences. They may benefit from incorporating **movement** into study sessions, using **manipulatives** or **physical objects** to illustrate concepts, and practicing through **role-playing** or **simulations**. Studying effectively for kinesthetic learners involves engaging in **interactive activities**, utilizing **hands-on experiments** or **demonstrations**, and incorporating **movement breaks** into study sessions.

[cf. Tips for Kinesthetic/Tactile Learners]

- **Reading/Writing Learners:** Reading/writing learners prefer learning through **written materials** such as **textbooks**, **articles**, and **written instructions**. They excel in taking **detailed written notes**, **creating outlines** or **summaries**, and engaging in **writing-intensive activities** such as essay writing. Effective study strategies for reading/writing learners involve focusing on **reading and writing tasks**, utilizing **written materials extensively**, and creating **written study guides** or **flashcards**.

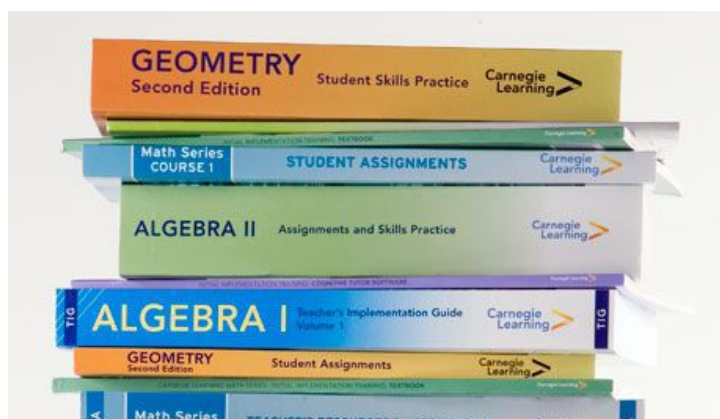


Figure 5 : Textbooks are a Good Source for Kinesthetic Learners



**Understanding** and **accommodating** these diverse **learning styles** can significantly enhance students' **study habits** and **academic performance**.

### 3. Exercice : Short answer quiz : I have grasped the concept !

[solution n°1 p. 8]

What does VARK refer to ?

### 4. Gardner's Multiple Intelligences



« An **intelligence** is the ability to solve problems, or to create products, that are valued within one or more cultural settings. » (Gardner, 1983/2003\*, p. x, my emphasis).

Based on **Howard Gardner's theory of multiple intelligences**, individuals possess varying strengths across **eight** different intelligences: **linguistic**, **logical-mathematical**, **spatial**, **bodily-kinesthetic**, **musical**, **interpersonal**, **intrapersonal**, and **naturalistic**. This theory expands the traditional view of intelligence beyond *IQ*\* and recognizes the diversity of human capabilities.

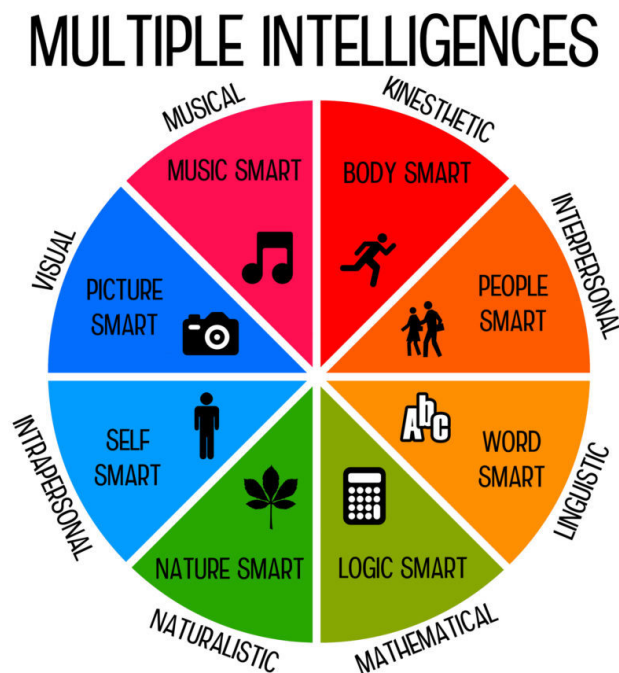


Figure 6 : An illustration of Gardner's Multiple Intelligences Theory

An Illustrative Video that Explains Gardner's Theory

- **Linguistic Intelligence:** This intelligence involves proficiency in language, including reading, writing, and verbal communication.
- **Logical-Mathematical Intelligence:** Individuals with this intelligence excel in logical reasoning, problem-solving, and mathematical concepts.
- **Spatial Intelligence:** Spatially intelligent individuals have a strong ability to perceive and manipulate visual and spatial information.
- **Bodily-Kinesthetic Intelligence:** Bodily-kinesthetically intelligent individuals possess exceptional control and coordination of body movements.

- **Musical Intelligence:** Musical intelligence encompasses sensitivity to rhythm, pitch, melody, and timbre.



**Fondamental**

Knowing your **learning style** and **type of intelligence** helps you tailor your math study methods for **better comprehension** and **improved performance**.

## 5. Exercice : Multiple choice quiz : Let me check my understanding of "Gardner's Theory of Multiple Intelligences" !

[solution n°2 p. 8]

What does Gardner's Theory of Multiple Intelligences involve ?

- Visual Learning Style
- Logical-Mathematical Intelligence
- Interpersonal Intelligence
- Critical Thinking Skills
- Musical Intelligence
- Problem-solving Abilities
- Public Speaking Skills

## 6. Exercice : Paragraph writing : Let's dedicate some time to writing !

Please, answer the following questions, **justifying your answer**.

- What do you think is your dominant learning style?
- Which of Gardner's intelligences resonate most with you?
- How can you use this knowledge in your studies?

Your answers should be sent in a Word or PDF format via email before the 15-05-2024.

# Solutions des exercices

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## Solution n°1

[exercice p. 6]

What does VARK refer to ?

VARK refers to Visual, Auditory, Reading/Writing, and Kinesthetic.

## Solution n°2

[exercice p. 7]

What does Gardner's Theory of Multiple Intelligences involve ?

- Visual Learning Style
- Logical-Mathematical Intelligence
- Interpersonal Intelligence
- Critical Thinking Skills
- Musical Intelligence
- Problem-solving Abilities
- Public Speaking Skills



# Abréviations

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**IQ :** It is short for "intelligence quotient". To explain further, IQ is a measure of a person's intellectual abilities in relation to others. IQ scores are typically derived from standardized tests designed to assess human intelligence through various types of questions and problems.

**VARK :** An acronym representing four primary types of learning styles: Visual, Auditory, Reading/Writing, and Kinesthetic. Understanding these styles helps individuals tailor their study habits to their preferred way of learning.

# Bibliographie

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Gardner, H. (1983/2003) Frames Of Mind : The Theory of Multiple Intelligences. New York : BasicBooks