

ANGLAIS

VOLUME HORAIRE TOTAL = 30 HEURES

COURS = 30 heures.

1. OBJECTIFS DU MODULE : Les objectifs de ce cours sont l'introduction à la langue anglaise scientifique, la familiarisation de l'étudiant avec le vocabulaire scientifique de base par le biais d'étude de textes scientifiques et techniques communs aux différents modules enseignés en première année et l'acquisition des règles grammaticales usitées en littérature scientifique.

2. CONTENU DU MODULE :

A. COURS (30 heures) :

UNIT 1

- How do scientists work ?.
 - Branch of sciences : General, Physics, Chemistry, Biology.
 - Themes : Scientific method and enquiry.
 - Main remedial structures :
 - Present simple.
 - Present continuous.
 - Passif with the present tense.
 - Other language work :
 - Connectives : not only but also.
 - Infinitive to define fonctions.
 - Measurement of weight.

UNIT 2

- Classification
 - Branch of sciences : Biology
 - Themes :
 - Identifying and classifying living things.
 - Sameness and difference.
 - Main remedial structures :
 - Present perfect.
 - Passive with the present tense.
 - Other language work :
 - Définitions
 - Measurement of weights.

UNIT 3

- The power of water
 - Branch of sciences : Earth sciences.
 - Themes :
 - Cause and effect (involving a natural force).

- Sameness and difference.
- Main remedial structures :
 - Simple past.
 - Passive with the present and past.
- Other language work :
 - Connectives : so that.
 - Measurement of distance.

UNIT 4

- Water power.
 - Branch of sciences : Physics and Engineering.
 - Themes :
 - Cause and effect : description of a process.
 - Sameness and difference.
 - Main remedial structures :
 - Simple past.
 - Present perfect.
 - Relative pronouns.
 - Other language work :
 - Dimensions.

UNIT 5

- Two vital elements.
 - Branch of sciences : Chemistry.
 - Themes :
 - Discovery, chemical analysis, properties, natural and industrial processes.
 - Composition of substances.
 - Main remedial structures :
 - Past perfect (and passive).
 - Contracted relative clauses.
 - Other language work :
 - Expressing composition in percentages.
 - Properties.
 - Expressing temperatures.

UNIT 6

- Water pollution.
 - Branch of sciences : Ecology.
 - Themes :
 - Cause and effect processes.
 - Main remedial structures :
 - Present continuous passive.
 - Other language work :
 - «As» to express function.
 - Expressing liquid measures.
 - Expressing chemical formulae.

UNIT 7

- The uses of mathematics.

- Branch of sciences : Mathematics.
- Themes :
 - Relationships of knowledge to its application.
 - Scientific method.
- Main remedial structures :
 - Passive with can.
- Other language work :
 - « In order to » ... expressing method.
 - Calculating dimensions.

UNIT 8

- The weather.
 - Branch of sciences : Meteorology, Physics.
- Themes :
 - Cause and effect processes.
- Main remedial structures :
 - Connectives : « until »
 - Passive with agent expressing cause.
- Other language work :
 - General and particular statements.
 - Too and enough.
 - Interpreting graphs.
 - Comparing.
 - Identifying and classifying.

UNIT 9

- The power of the lens.
 - Branch of sciences : Physics (light).
- Themes :
 - Invention and technological development.
 - Application of basic invention.
- Main remedial structures :
 - Present perfect with « since ».
 - Connectives : « because », « as », « since ».
 - Contracted relative clauses.
- Other language work :
 - General and particular statements.
 - Definition.
 - Dimensions.
 - Identifying and classifying.

UNIT 10

- Rocks.
 - Branch of sciences : Geology, Technology.
- Themes :
 - Concepts of time and prehistory.
 - Natural processes.
 - Industrial processes.

- Main remedial structures :
 - « If » sentences with conditionals.
 - Connectives : « both and », « neither nor ».
 - Relatives with prepositions.
 - Passive with « have to ».
- Other language work :
 - Identifying and classifying.
 - Interpreting graphs.

3. MODE DE CONTROLE DES CONNAISSANCES :

- Interrogations orales ou écrites en début de chaque séance de cours pour permettre une révision du cours précédent et pour s'assurer que l'étudiant suit l'évolution du cours.
- Examen en fin de module portant sur la compréhension, la structure de la langue ainsi que la grammaire.