APPROACHES TO LEARNING

ATL

THINKING
(CRITICAL THINKING SKILLS)

- IDENTIFY PROBLEMS & DEVELOP AIMS, GOALS AND OBJECTIVES

- MAKE INFERENCES AND DRAW CONCLUSIONS

- IDENTIFY GAPS IN KNOWLEDGE AND FORMULATE KEY QUESTIONS

- CONSIDER IDEAS FROM OTHER PERSPECTIVES & POINTS OF VIEW

- DEVELOP CONTRARY ARGUMENTS

- BREAK DOWN LARGE CONCEPTS AND PROJECTS INTO COMPONENT PARTS AND COMBINE PARTS LOGICALLY AS APPROPRIATE

- FORMULATE PROVOCATIVE AND RELEVANT QUESTIONS AND GOALS

- PLAN TO ACHIEVE GOALS, INCLUDING IDENTIFYING TARGETS AND OUTLINING STEPS

- CONSIDER CONSEQUENCES OF EVENTS

- IDENTIFY OBSTACLES AND CHALLENGES

- MAKE LOGICAL, REASONABLE JUDGMENTS AND CREATE ARGUMENTS TO SUPPORT THEM

- DESIGN IMPROVEMENT TO EXISTING MACHINES, MEDIA & AND TECHNOLOGIES

- IDENTIFY AND DEFINE AUTHENTIC PROBLEMS AND SIGNIFICANT QUESTIONS FOR INVESTIGATION

- USE MULTIPLE PROCESSES AND DIVERSE PERSPECTIVES TO EXPLORE ALTERNATIVE SOLUTIONS

- IDENTIFY TRENDS AND FORECAST POSSIBILITIES

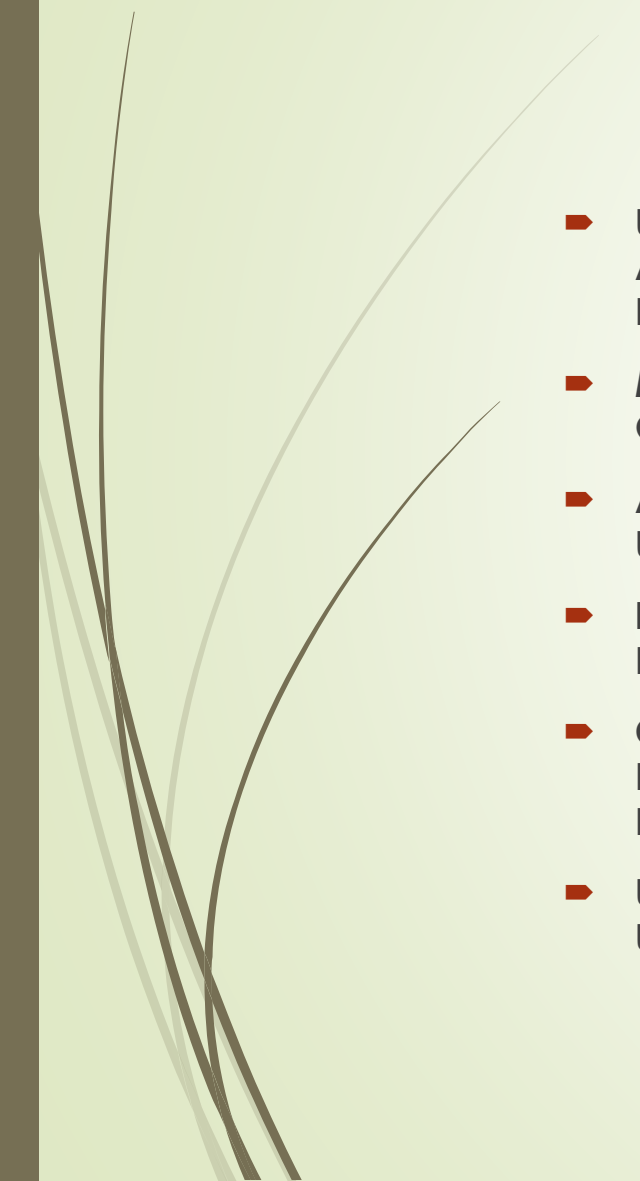- TROUBLESHOOT SYSTEMS AND APPLICATIONS

THINKING
(CREATIVE THINKING SKILLS)

- GENERATE IMPOSSIBLE IDEAS
- BRAINSTORM & MAP THOUGHTS TO CREATE IDEAS & QUESTIONS
- CONSIDER ALL ALTERNATIVES
- EVALUATE SOLUTIONS TO PROBLEMS
- MAKE CONNECTIONS BETWEEN RANDOM THINGS
- CONSIDER OPPOSITES TO RENEW PERSPECTIVE
- APPLY STRATEGIES GUESSWORK
- GENERATE "WHAT IF?" QUESTIONS
- TRANSFER AND APPLY EXISTING KNOWLEDGE TO GENERATE NEW IDEAS, PRODUCTS OR PROCESSES
- UTILIZE OLD IDEAS IN NEW WAYS AND COMBINE PARTS IN NEW WAYS

- MAKE INTUITIVE JUDGMENTS
- CREATE ORIGINAL WORKS AND IDEAS AND VISUALIZE ALTERNATIVES
- PRACTICE IMITATION OF WORKS WITH A FOCUS ON THE CREATIVE PROCESS
- PRACTICE FLEXIBLE THINKING—ARGUING BOTH SIDES OF AN IDEA OR ISSUE
- PRACTICE METAPHORICAL THINKING, GENERATING QUESTIONS AND CHALLENGING CONVENTIONS
- CHALLENGE ONE'S OWN AND OTHER'S ASSUMPTIONS
- SEE POSSIBILITIES, PROBLEMS & CHALLENGES POSITIVELY
- PLAY WITH IDEAS & EXPERIMENTING
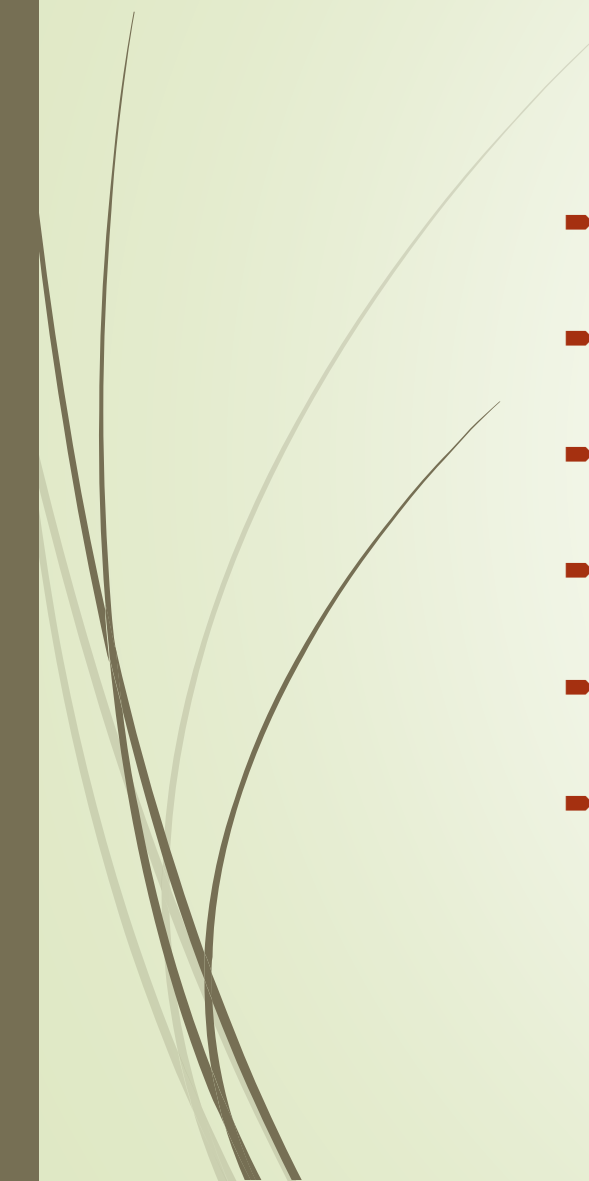- RECOGNIZE WHEN AN ORIGINAL IDEA HAS VALUE AND PURSUING IT

THINKING (TRANSFER SKILLS)

- USE YOUR KNOWLEDGE, UNDERSTANDING AND SKILLS ACROSS SUBJECTS TO CREATE PRODUCTS OR SOLUTIONS

- MAKE CONNECTIONS BETWEEN LEARNING GAINED IN DIFFERENT SUBJECT AREAS

- APPLY SKILLS AND KNOWLEDGE IN UNFAMILIAR SITUATIONS

- INQUIRE IN DIFFERENT CONTEXTS TO GAIN A DIVERSE PERSPECTIVE

- CREATE PROJECTS AND PRODUCTS USING KNOWLEDGE AND SKILLS GAINED ACROSS DIFFERENT SUBJECT AREAS

- USE FAMILIAR LEARNING SKILLS WITH UNFAMILIAR CONTEXTS

- TRANSFER CURRENT KNOWLEDGE TO LEARNING OF NEW TECHNOLOGIES

- DEMONSTRATE PERSONAL RESPONSIBILITY FOR LIFELONG LEARNING

- CHANGE THE CONTEXT OF YOUR PROJECT TO GAIN DIFFERENT PERSPECTIVES
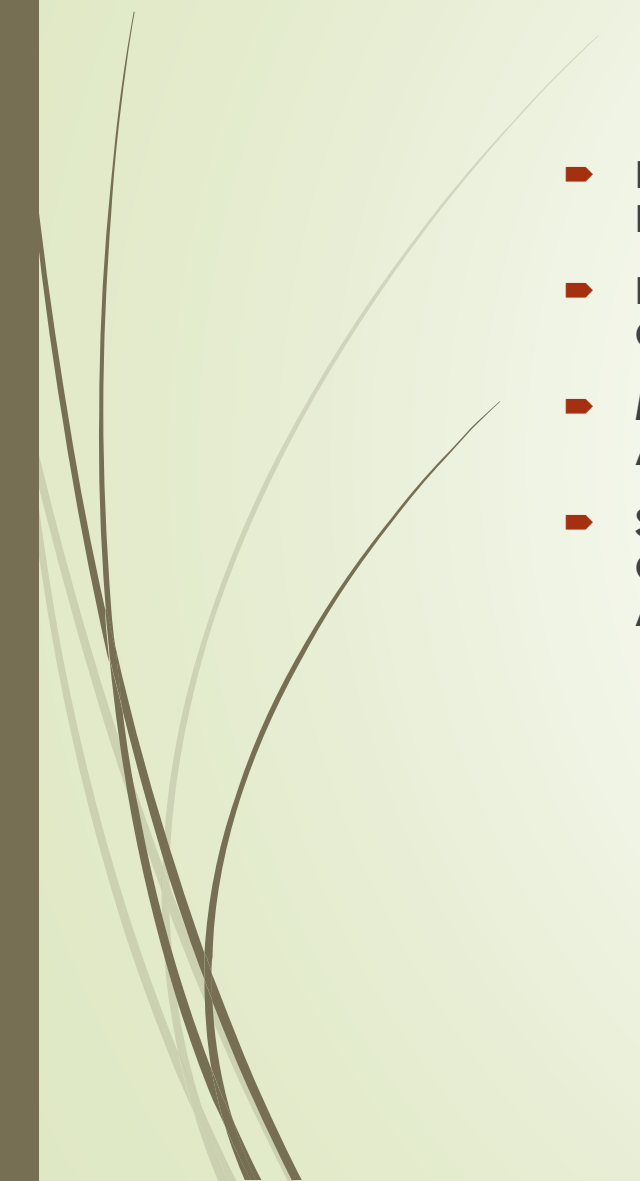
- MAKE DECISIONS

SELF-MANAGEMENT (ORGANIZATION SKILLS)

- KEEP TO CLASS SCHEDULES AND PROJECT DEADLINES

- SET APPROPRIATE MANAGEMENT GOALS AND PLAN STRENGTHS TO ACHIEVE THEM

- STRUCTURE INFORMATION APPROPRIATELY IN WRITTEN, ORAL AND VISUAL WORK

- ARRIVE TO CLASS WITH THE APPROPRIATE EQUIPMENT

- KEEP AN ORGANIZED AND LOGICAL SYSTEM OF INFORMATION FILES/NOTEBOOKS

- FIND AND SELECT INFORMATION VIA DIFFERENT MEDIA

- PLAN STRATEGIES TO GUIDE YOUR PERSONAL PROJECT INQUIRY

- PLAN AND MANAGE ACTIVITIES TO DEVELOP A SOLUTION OR COMPLETE A PROJECT

- SELECT AND USE APPLICATIONS EFFECTIVELY AND PRODUCTIVELY

- MAKE INFORMED CHOICES TO ACHIEVE A BALANCE IN NUTRIENT, REST, RELAXATION AND EXERCISE

SELF-MANAGEMENT (AFFECTIVE SKILLS)

- DEMONSTRATE PERSISTENCE AND PERSEVERANCE

- PRACTICE FOCUS AND CONCENTRATION TO OVERCOME DISTRACTIONS

- MAKE INFORMED CHOICES ON BEHAVIOURS AND COURSE OF ACTION

- SEEK OUT CRITICISM AND FEEDBACK FROM OTHERS AND MAKE INFORMED CHOICES ABOUT INCLUDING IT IN ONE'S WORK

- PRACTICE POSITIVE THINKING SKILLS

- PRACTICE DEALING WITH DISAPPOINTMENT AND UNMET EXPECTATIONS

- PRACTICE DEALING WITH CHANGE

- PRACTICE SRATEGIES TO PREVENT AND ELIMINATE BULLYING
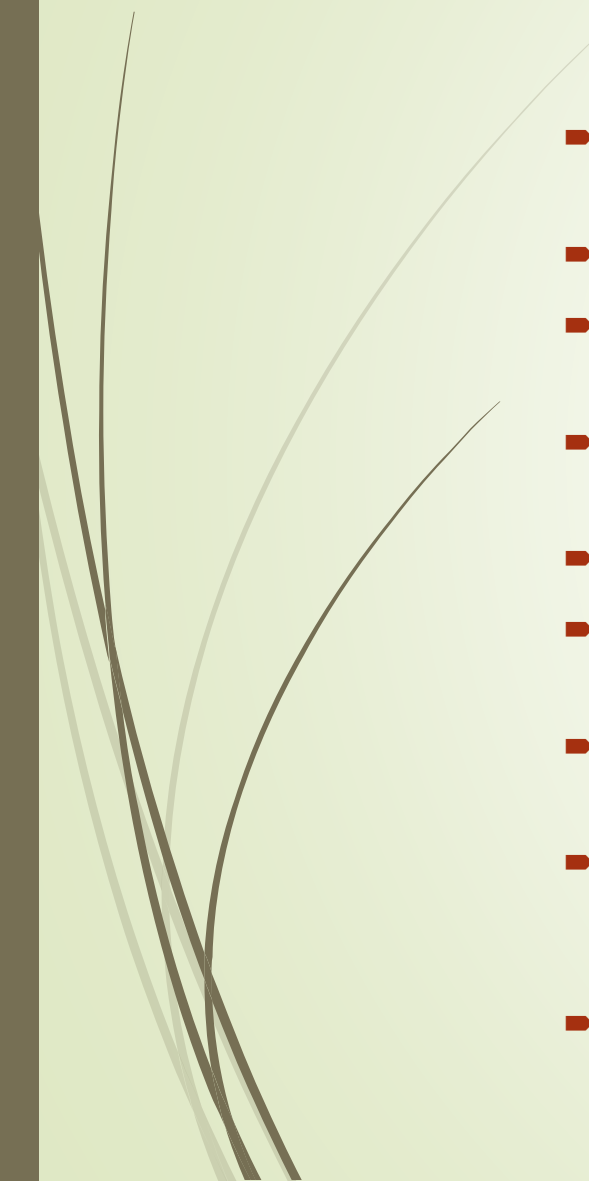
- PRACTICE STRATEGIES TO REDUCE STRESS AND ANXIETY

SELF-MANAGEMENT (REFLECTION SKILLS)

- CONSIDER ETHICAL, CULTURAL AND ENVIRONMENTAL IMPLICATIONS OF ISSUES

- CONSIDER PERSONAL RELATIONSHIPS TO PEOPLE, IDEAS AND CONCEPTS

- BUILD UNDERSTANDING OF PERSONAL LEARNING STRENGTHS AND WEAKNESSES

- BE AWARE OF AREAS OF PERCEIVED LIMITATIONS

- DEVELOP AWARENESS OF THE PROCESS OF EFFECTIVE LEARNING

- ANALYZE ONE'S OWN AND OTHERS' THOUGHT PROCESSES TO THINK ABOUT HOW ONE THINKS AND HOW ONE LEARNS

- PAUSE TO REFLECT AT DIFFERENT STAGES IN THE LEARNING PROCESS

- IMPLEMENT AND MEASURE THE EFFECTIVENESS OF DIFFERENT LEARNING STRATEGIES

- DEMONSTRATE A PREPAREDNESS TO MAKE CHANGES TO INEFFECTIVE LEARNING STRATEGIES

- SEEK OUT CONSTRUCTIVE CRITICISM

- KEEP A REFLECTIVE JOURNAL/PORTFOLIO OF PERSONAL LEARNING EXPERIENCES FOCUSED ON BOTH PROCESS AND CONTENT

- CREATE A RECORD OF PERSONAL LEARNING CHANGE AND IMPROVEMENT

RESEARCH
(INFORMATION LITERACY SKILLS)

- ACCESS INFORMATION TO BE INFORMED AND INFORM OTHERS

- FIND INFORMATION IN DIFFERENT MEDIA

- READ CRITICALLY AND FOR COMPREHENSION

- COLLECT RESEARCH FROM A VARIETY OF PRINT AND DIGITAL SOURCES

- COLLECT AND VERIFY DATA

- MAKE CONNECTIONS BETWEEN A VARIETY OF SOURCES

- UTILIZE DIFFERENT MEDIA TO OBTAIN DIFFERENT PERSPECTIVES

- UTILIZE APPROPRIATE MULTIMEDIA TECHNOLOGY TO CREATE EFFECTIVE PRESENTATION AND REPRESENTATION

- REFERENCE ACCURATELY AND CONSTRUCT A BIBLIOGRAPHY ACCORDING TO RECOGNIZED CONVENTIONS

- UNDERSTAND AND IMPLEMENT INTELLECTUAL PROPERTY RIGHTS AND THE VALUE OF ACADEMIC HONESTY

- IDENTIFY PRIMARY AND SECONDARY SOURCES

- DEMONSTRATE AWARENESS OF THE EFFECTS OF DIFFERENT MODES OF INFORMATION REPRESENTATION AND PRESENTATION

- COLLECT AND ANALYZE DATA TO IDENTIFY SOLUTIONS AND/OR MAKE INFORMED DECISIONS
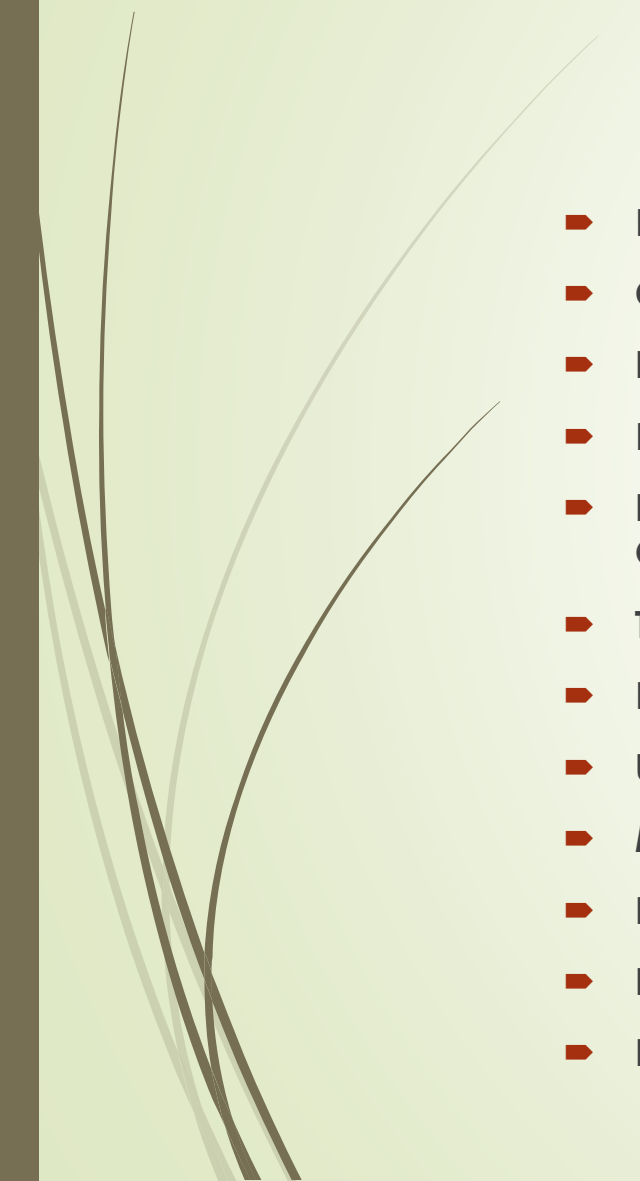
- PROCESS DATA AND REPORT RESULTS

RESEARCH
(MEDIA LITERACY SKILLS)

- EVALUATE & SELECT INFORMATION SOURCES AND DIGITAL TOOLS BASED ON THEIR APPROPRIATENESS TO SPECIFIC TASKS

- LOCATE, ORGANIZE, ANALYZE, EVALUATE, SYNTHESIZE AND EFFICIENTLY USE INFORMATION FROM A VARIETY OF SOURCES AND MEDIA

- USE AND INTERPRET A RANGE OF CONTENT-SPECIFIC TERMINOLOGY

- UNDERLINE WAYS IN WHICH IMAGES AND LANGUAGE INTERACT TO CONVEY IDEAS, VALUES AND BELIEFS

- IDENTIFY DIFFERENT POINTS OF VIEW

- DEMONSTRATE AWARENESS OF DIFFERENT MEDIA INTERPRETATIONS OF EVENTS AND IDEAS, INCLUDING SOCIAL MEDIA

- CRITICALLY ANALYZE VARIOUS TEXT FORMS FOR UNDERLYING MEANING

- USE A VARIETY OF TECHNOLOGIES AND MEDIA PLATFORMS TO SOURCE INFORMATION INCLUDING SOCIAL MEDIA AND ONLINE NETWORKS

- UTILIZE DIFFERENT MEDIA TO OBTAIN PERSPECIVES

- COMMUNICATE IDEAS EFFECTIVELY TO MULTIPLE AUDIENCES USING A VARIETY OF MEDIA AND FORMATS

- ACTIVELY MAKE CONNECTIONS BETWEEN DIFFERENT MEDIA RESOURCES IN PRESENTATIONS

- ADVOCATE AND PRACTISE SAFE, LEGAL AND RESPONSIBLE USE OF INFORMATION TECHNOLOGY

SOCIAL
(COLLABORATION SKILLS)

- RESPECT AND ACCEPT SOCIOCULTURAL DIFFERENCES

- CONSIDER, RESPECT AND ANALYZE DIFFERENT OPINIONS, POINTS OF VIEW, IDEAS AND PREFERENCES

- BE EMPATHETIC

- RESPECT DIFFERENT OPINIONS AND THE PONTS OF VIEW OF OTHERS

- DELEGATE AND TAKE RESPONSIBILITY AS APPROPRIATE; HELP OTHERS; FACILITATE THE SUCCESS OF OTHERS

- TAKE RESPONSIBILITY FOR OWN ACTIONS

- RESOLVE CONFLICTS AND WORK COLLABORATIVELY WITH APPROPRIATE ROLES IN A TEAM

- UNDERSTAND WHEN AND HOW TO BUILD CONSENSUS

- MAKE DECISIONS BASED ON FAIRNESS AND EQUALITY

- NEGOTIATE GOALS AND LIMITATIONS WITH PEERS AND TEACHERS

- HELP OTHERS WHEN APPROPRIATE AND ENCOURAGE CONTRIBUTION FROM OTHERS

- DRIVE CHANGE THROUGH AN UNDERSTANDING OF OTHERS AND ESPECIALLY OF GROUP DYNAMICS

COMMUNICATION (COMMUNICATION SKILLS)

- USE ACTIVE LISTENING TECHNIQUES TO UNDERSTAND OTHERS

- GIVE AND RECEIVE APPROPRIATE FEEDBACK

- INTERPRET MEANING THROUGH CULTURAL UNDERSTANDING

- USE A VARIETY OF SPEAKING TECHNIQUES TO MAKE MEANING CLEAR FOR DIFFERENT AUDIENCES AND PURPOSES

- USE APPROPRIATE FORMS OF WRITING FOR DIFFERENT PURPOSES AND AUDIENCES

- USE A VARIETY OF MEDIA TO PRESENT TO AN AUDIENCE

- INTERPRET NON-VERBAL COMMUNICATION TECHNIQUES AND USE THEM APPROPRIATELY

- NEGOTIATE IDEAS AND KNOWLEDGE WITH PEERS AND TEACHERS

- INTERACT, COLLABORATE AND PUBLISH MEDIA WITH PEERS, EXPERTS OR OTHERS EMPLOYING A VARIETY OF DIGITAL ENVIRONMENTS AND MEDIA

- DEVELOP CULTURAL UNDERSTANDING AND GLOBAL AWARENESS BY ENGAGING WITH LEARNERS OF OTHER CULTURES

- WRITE FOR DIFFERENT PURPOSES

- MAKE EFFECTIVE NOTES, IN CLASS AND FOR STUDYING

- SUMMARIZE AND TRANSFORM INFORMATION

- USE STRUCTURAL WRITING PLANNERS FOR DIFFERENT ACADEMIC TASKS

- ORGANIZE INFORMATION LOGICALLY

- STRUCTURE INFORMATION CORRECTLY IN SUMMARIES, ESSAYS, REPORTS AND PRESENTATIONS