

**VISUAL LITERACY**

**CRITICAL THINKING &  
PROBLEM SOLVING**  
*REASON EFFECTIVELY*

**CRITICAL THINKING &  
PROBLEM SOLVING**  
*SOLVE PROBLEMS*

## VISUAL LITERACY

Demonstrate the ability to interpret, recognize, appreciate and understand information presented through visible actions, objects & symbols, natural or manmade.

## *REASON EFFECTIVELY*

Use Various types of reasoning (e.g. inductive, deductive ect.) as appropriate to the situation

## *SOLVE PROBLEMS*

Solve Different kinds of non familiar problems in both conventional and innovative ways. Identify and ask significant questions that clarify various points of view and lead to better solutions.

**CRITICAL THINKING &  
PROBLEM SOLVING**  
*USE SYSTEM THINKING*

**CRITICAL THINKING &  
PROBLEM SOLVING**  
*MAKE JUDGEMENTS AND DECISIONS*

**FLEXIBILITY AND ADAPTABILITY**  
*BE FLEXIBLE*

***USE SYSTEM THINKING***

Analyze how parts of a whole interact with each other to produce overall outcomes in complex systems.

***MAKE JUDGEMENTS AND DECISIONS***

Effectively analyze evidence, arguments, claims and beliefs. Analyze and evaluate major alternative points of view.

***BE FLEXIBLE***

Incorporate feedback effectively. Deal positively with praise, setbacks, and criticism. Understand negotiate and balance diverse views and beliefs to reach workable solutions, particularly in multicultural environments.

**FLEXIBILITY AND ADAPATABILITY**

*ADAPT TO CHANGE*

**CREATIVITY AND INNOVATION**

*IMPLEMENT INNOVATIONS*

**CREATIVITY AND INNOVATION**

*THINK CREATIVELY*

*ADAPT TO CHANGE*

Adapt to varied roles, job responsibilities, schedules and contexts. Work effectively in a climate of ambiguity and changing priorities.

*IMPLEMENT INNOVATIONS*

Act on creative ideas to make a tangible and useful contribution to the field in which the innovation will occur.

*THINK CREATIVELY*

Use a wide range of idea creation techniques (such as brainstorming) Create new and worthwhile ideas (both incremental and radical concepts) elaborate, refine, analyze, and evaluate ideas in order to improve and maximize creative efforts. Demonstrate imagination and curiosity.

**CREATIVITY AND INNOVATION**

*WORK CREATIVELY WITH OTHERS*

**PRODUCTIVITY AND**

**ACCOUNTABILITY**

*MANAGE PROJECTS*

**PRODUCTIVITY AND**

**ACCOUNTABILITY**

*PRODUCE RESULTS*

### *THINK CREATIVELY with OTHERS*

Use a wide range of idea creation techniques (such as brainstorming) Create new and worthwhile ideas (both incremental and radical concepts) elaborate, refine, analyze, and evaluate ideas in order to improve and maximize creative efforts. Demonstrate imagination and curiosity.

### *MANAGE PROJECTS*

Set and meet goals, even in the face of obstacles and competing pressures. Prioritize, plan, and manage work to achieve the intended results.

### *PRODUCE RESULTS*

Demonstrate additional attributes associated with producing high quality products including the abilities to: Work positively and ethically. Manage time and projects effectively. Multitask. Participate actively as well as be reliable and punctual. Present oneself professionally with proper etiquette. Collaborate and cooperate effectively with teams. Respect and appreciate team diversity. Be accountable for results.



**BASIC LITERACY**

**SCIENTIFIC AND NUMERICAL  
LITERACY**

**LEADERSHIP AND  
RESPONSIBILITY**  
*BE RESPONSIBLE FOR OTHERS*

***BASIC LITERACY***

Demonstrate the ability to use language to read, write, listen and speak.

***SCIENTIFIC AND NUMERAL LITERACY***

Demonstrate the capacity to pose and evaluate scientific arguments based on evidence and to apply conclusions from such argument appropriately. Demonstrate ability to reason with numbers and mathematical concepts

***BE RESPONSIBLE FOR OTHERS***

Act responsibly with the interest of the larger community in mind.

**LEADERSHIP AND  
RESPONSIBILITY**  
*GUIDE AND LEAD OTHERS*

**COMMUNICATION AND  
COLLABORATION**  
*COMMUNICATE CLEARLY*

**COMMUNICATION AND  
COLLABORATION**  
*COLLABORATE WITH OTHERS*

### ***GUIDE AND LEAD OTHERS***

Use interpersonal and problem-solving skills to influence and guide others toward a goal. Leverage strengths of others to accomplish a common goal. Inspire others to reach their very best via example and selflessness. Demonstrate integrity and ethical behavior in using influence and power.

### ***COMMUNICATE CLEARLY***

Articulate thoughts and ideas effectively using oral, written, and nonverbal communication skills in a variety of forms and contexts • Listen effectively to decipher meaning, including knowledge, values, attitudes, and intentions • Use communication for a range of purposes (e.g., to inform, instruct, motivate, and persuade) and in diverse environments (including multi-lingual) • Utilize multiple media and technologies, and know how to judge their effectiveness a priori as well as assess their impact

### ***COLLABORATE WITH OTHERS***

Demonstrate ability to work effectively and respectfully with diverse teams • Exercise flexibility and willingness to be helpful in making necessary compromises to accomplish a common goal • Assume shared responsibility for collaborative work, and value the individual

**INFORMATION LITERACY**  
*USE AND MANAGE INFORMATION*

**INFORMATION LITERACY**  
*ACCESS AND EVALUATE INFORMATION*

**INITIATIVE AND SELF-DIRECTION**  
*MANAGE GOALS AND TIME*

### ***USE AND MANAGE INFORMATION***

Use information accurately and creatively for the issue or problem at hand • Manage the flow of information from a wide variety of sources • Apply a fundamental understanding of the ethical/ legal

### ***ACCESS AND EVALUATE INFORMATION***

Access information efficiently (time) and effectively (sources) • Evaluate information critically and competently

### ***MANAGE GOALS AND TIME***

Set goals with tangible and intangible success criteria • Balance tactical (short-term) and strategic (long term) goals • Utilize time and manage workload efficiently

**INITIATIVE AND SELF-DIRECTION**

*WORK INDEPENDENTLY*

**INITIATIVE AND SELF-DIRECTION**

*BE SELF-DIRECTED LEARNERS*

**CROSS-DISCIPLINARY THINKING**

***WORK INDEPENDENTLY***

Monitor, define, prioritize, and complete tasks without direct oversight

***BE SELF-DIRECTED LEARNERS***

Go beyond basic mastery of skills and/or curriculum to explore and expand one's own learning and opportunities to gain expertise • Demonstrate initiative to advance skill levels towards a professional level • Demonstrate commitment to learning as a lifelong process • Reflect critically on

***CROSS-DISCIPLINARY THINKING***

Apply knowledge, attitudes, behaviors, and skills across disciplines in appropriate and effective ways



**SOCIAL AND**

**CROSS-CULTURAL SKILLS**

*INTERACT EFFECTIVELY WITH OTHERS*

**SOCIAL AND**

**CROSS-CULTURAL SKILLS**

*WORK EFFECTIVELY IN DIVERSE TEAMS*

***INTERACT EFFECTIVELY WITH OTHERS***

Know when it is appropriate to listen and when to speak • Conduct oneself in a respectable, professional manner

***WORK EFFECTIVELY IN DIVERSE TEAMS***

Respect cultural differences and work effectively with people from a range of social and cultural backgrounds • Respond open-mindedly to different ideas and values • Leverage social and cultural differences to create new ideas and increase both innovation and quality of work