

http://careers2030.cst.org/jobs/



The world is changing quickly, and we will need bright and creative teachers to make sure young people have the skills and knowledge to become flexible, lifelong learners.

Teachers in 2030 will go beyond their classrooms, taking lessons out into the world.

They will use technology to enhance learning by connecting students with remote communities across the globe and simulated experiences, from scuba diving in the Indian Ocean to exploring Egypt's Pyramids. These technologies won't replace teachers. Instead, they will help to better guide students and develop their unique skills and knowledge.

They will build personalized learning programs to help students succeed. And as schools are transformed into community hubs and think tanks, teachers will take on more entrepreneurial, management, and thought leadership roles in the broader society.

JOB REQUIREMENTS / SKILLS

In addition to the skills that make teachers great—including communication, active listening, creativity, leadership and patience—teachers of 2030 will also require skills in entrepreneurship, community organization, technology and the ability to understand and manage data to design personalized learning programs.













METODOLOGY

HOW WAS IT ASSESSED

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OBSERVATION AND TEACHER WRITTEN RECORDS OF STUDENTS BEHAVIOR AND ATTITUDE.

DEVELOPMENT AND APPLICATION OF ASSESSMENT GRIDS WITH FOUR LEVELS FOR EACH COMPETENCE.

ASSESSMENT CRITERIA WAS RELEASED, DISCUSSED AND WORKED WITH STUDENTS AT THE BEGINNING OF THE ACTIVITY.

AT THE END A SEMANTIC DIFFERENTIAL WAS APPLIED.

HOW WAS IMPLEMENTED



IN GROUPS OF 4-5, STUDENTS ANALYZED THE RELATIONSHIPS BETWEEN ELEMENTS OF THE ECOSYSTEM REPRESENTED IN EACH THE CARTOONS.

EACH GROUP WROTE A STORY AND DREW AN ILUSTRATION TO FINISH THE PLOT OF THE INICIAL CARTOON.

CONSTANT FEEDBACK WAS GIVEN TO STUDENTS.

THE TASK ENDED WITH A DEBATE BETWEEN GROUPS.



ACTIVITY PART I

...and there was a goat, well installed in the fence! She looked around, felt the breeze and the blue sky ... evaluated all that it had in the small space available ... at first glance it seemed to be in heaven!

The early story...

Once upon a time there was a goat that lived in a paradise, its fence ... and it stayed there, and the time passed, and passed and passed...

ACTIVITY PART II

...and there was a men, well installed in the fence! He looked around, felt the breeze and the blue sky ... evaluated all that it had in the small space available ... at first glance it seemed to be in heaven!

The early story...

Once upon a time there was a man who lived in a paradise, his fence ... and he stayed there, and the time passed, and passed and passed...



RESULTS

SYSTEMIC THINKING ABILITY

MOST STUDENTS SHOWED DIFFICULTIES IN THINK SYSTEMICALLY. THEY CAN'T UNDERSTAND THE RELATIONSHIPS OF INTERDEPENDENCE THAT ARE ESTABLISHED BETWEEN THE DIFFERENT SUBSYSTEMS OF A NATURAL SYSTEM.



RESULTS

REASONING

MOST GRAPHIC CARTOONS AND NARRATIVES ARE SIMPLE AND INCOMPLETE.



RESULTS

ARGUING

SEVERAL STUDENTS HAVE POOR KNOWLEDGE OF THE CONTENTS OF THEIR WORK OR WERE UNABLE TO JUSTIFY ARGUMENTS. THEY WERE HIGHLY DEPENDENT OF READING AND HAD GREAT DIFFICULTY IN DEFENDING THEIR POINT OF VIEW.



SEARCHING FOR INFORMATION

MOST STUDENTS AREN'T ABLE TO SELECT RELEVANT INFORMATION FROM THE INTERNET. THEY MERELY COPY THE FIRST SEARCH THAT COMES TO THEM AND PRESENT THE COPIED INFORMATION NOT CRAFTED, AND RELY EXCLUSIVELY ON TECHNOLOGICAL RESEARCH.

Searching a needle in a haystack of information: how excess can ruin the creativity of thoughts





CONCLUSIONS

POTENTIAL

INQUIRY ACTIVITIES HAVE LOTS OF POTENCIAL DEVELOPING THE ESSENCIAL LEARNING, SOCIAL AND ENVIRONMENTAL SKILLS THAT STUDENTS NEED TO IMPROVE IN THEIR FUTURE PERFORMANCE.



"I have to drastically reduce the amount of stuff that I buy."

THEY WERE ABLE TO MAKE THE CONNECTIONS...

"I started to pay more attention to the details of everything that surrounds me."

"With this activity made sense to me what we are doing to our planet's resources. Now I will start to sensitize my family for this." "It was an interesting way to understand how everything is interconnected, and how the current lifestyle of each of us takes natural resources to exhaustion."

CONCLUSIONS

LIMITATIONS

<u>ASSESSMENT</u> – BUILDING A RUBRIC AND APPLYING IT WAS A VERY DIFICULT TASK THAT NEEDS IMPROVEMENT



