



WORKSHEET

TEN STEM SKILLS FOR EVERYONE

The term “STEM” usually refers to occupations or learning approaches involving science, technology, engineering, or mathematics. While many people think of STEM in terms of technical skills, most green jobs also require leadership skills. The following list of STEM skills developed by Project Learning Tree encompasses a wide variety of skills. These skills can help any job seeker in the green economy, whether or not you are aiming for a STEM career.

Conduct a self-assessment by rating yourself on a scale of 1 to 10 (with 1 low and 10 high) for each STEM skill listed. Compare your results before and after doing the *Green Jobs: Exploring Forest Career* activities.

Collaboration

	LOW	HIGH
Cooperating with team members	1 2 3 4 5 6 7 8 9 10	
Finding points of agreement or consensus	1 2 3 4 5 6 7 8 9 10	
Taking responsibility for individual contributions	1 2 3 4 5 6 7 8 9 10	

Communication

Exchanging ideas with project partners	1 2 3 4 5 6 7 8 9 10
Sharing project results	1 2 3 4 5 6 7 8 9 10
Using different media to enhance communication	1 2 3 4 5 6 7 8 9 10

Creativity

Looking at a problem from different perspectives	1 2 3 4 5 6 7 8 9 10
Exploring new ideas	1 2 3 4 5 6 7 8 9 10
Learning from failures	1 2 3 4 5 6 7 8 9 10

Data Analysis

Assessing the accuracy of data	1 2 3 4 5 6 7 8 9 10
Presenting data in a useful format	1 2 3 4 5 6 7 8 9 10
Identifying patterns in data	1 2 3 4 5 6 7 8 9 10





Investigation

	LOW										HIGH
Posing a question to investigate	1	2	3	4	5	6	7	8	9	10	
Planning and carrying out investigation of a question	1	2	3	4	5	6	7	8	9	10	
Constructing an explanation based on findings	1	2	3	4	5	6	7	8	9	10	

Leadership

Leading projects or supporting a project team	1	2	3	4	5	6	7	8	9	10
Developing a project plan and timeline	1	2	3	4	5	6	7	8	9	10
Making decisions supported by data	1	2	3	4	5	6	7	8	9	10

Nature-Based Design

Finding inspiration in and from nature	1	2	3	4	5	6	7	8	9	10
Recognizing nature's solutions to problems	1	2	3	4	5	6	7	8	9	10
Incorporating ideas from nature into design	1	2	3	4	5	6	7	8	9	10

Organization

Precisely following instructions, protocols, or blueprints	1	2	3	4	5	6	7	8	9	10
Recording data accurately	1	2	3	4	5	6	7	8	9	10
Keeping track of lots of different information	1	2	3	4	5	6	7	8	9	10

Problem Solving

Defining a problem	1	2	3	4	5	6	7	8	9	10
Using models to investigate a problem	1	2	3	4	5	6	7	8	9	10
Designing solutions to a problem	1	2	3	4	5	6	7	8	9	10

Technology Use

Identifying appropriate technology for a given application	1	2	3	4	5	6	7	8	9	10
Using technology tools effectively	1	2	3	4	5	6	7	8	9	10
Troubleshooting technology problems	1	2	3	4	5	6	7	8	9	10

