

A close-up, slightly blurred photograph of a desk. In the center, a metal mesh pencil holder contains several colored pencils (pink, orange, green, blue, and brown). To the right, a black smartphone lies on a white surface. In the background, a person's hands in blue denim jeans are visible. The overall scene suggests a student or professional workspace.



SOI Systems

ACHIEVING LEARNING SUCCESS

A NEW WAY TO EXPERIENCE
LEARNING & EDUCATION

WWW.SOISYSTEMS.COM

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SOI IS PREPARED TO HELP WHEN:

- SCHOOL OR WORK IS A STRUGGLE AND YOU'RE NOT SURE WHAT TO DO
- YOU DON'T KNOW WHY THERE'S A **LEARNING STRUGGLE**
- YOU **NEED ANSWERS** & A PRACTICAL SOLUTION
- YOU'RE READY TO **UNLOCK LEARNING POTENTIAL**

DID YOU KNOW?

At SOI, we work with learners of all ages and can discover and address the reason(s) behind learning difficulties.

There are 90 abilities related to learning, and every person has a profile of learning ability strengths and weaknesses.

INTELLIGENCE CAN BE IMPROVED.



UNLOCK THE KEY TO LEARNING SUCCESS

SOI provides you with practical ways to help you succeed. SOI is a system of assessments and training materials that develop intellectual abilities and learning functions. We equip you with the necessary intellectual skills to learn subject matter, think analytically, improve creativity, and, most importantly, unlock your learning potential.

We don't ask "how much" intelligence. We ask what kind.

"Thank you for all your work in helping our daughter improve her academics. She has turned into the beautiful butterfly we always knew she was!"

- HR, parent

WHAT MAKES SOI UNIQUE?

When there are no apparent reasons for learning difficulties, and you have exhausted other tips, tricks, and suggestions, SOI is the answer!

SOI can identify the learning problem, provide a solution, and make sure that improvement takes place.

SOI stands for “Structure of Intellect,” which is the proven theory that **intellectual abilities can be identified and improved.** It is an exciting, beneficial way of approaching intelligence, learning, and education!

“THERE ARE A FEW ACTIONS THAT CHANGE YOUR LIFE, AND TAKING THE SOI WAS ONE THAT CHANGED MY LIFE. I WILL NEVER FORGET OUR DISCUSSION ABOUT MY RESULTS.”

- Joe Thigpen, client

We know that learning can be challenging, and we are here to help change that. We work with every type of person in every learning situation – parents, students, teachers, individuals, tutors, and more.



“Most learning problems are not severe. They are merely undiagnosed and untreated.” - Dr. Robert Meeker

FOCUS & ATTENTION

THE BRAIN-BODY CONNECTION

Did you know that the **body, brain, eyes, and ears all have to work together** for learning to be successful?

The human body is amazing in its complexity. The more well-developed and functioning it is, the more efficient our physical and mental activities are. An inefficient system creates its own stress and aggravates an already stressed individual.

A strong intellectual system needs a strong physical base. This is the body-brain connection.



A STRONG PHYSICAL BASE HELPS US:

- sit still for long periods of time
- walk upright with eyes facing forward (not downward)
- possess good eye-hand coordination
- cross the midline (reach across the middle of the body with the arms and legs)
- demonstrate strong motor skills such as balance



JUMP TO PAGE 7 FOR A **BODY & BRAIN EXERCISE**

“My son is now reading on grade level, he has the best handwriting of all my children, and he is confident in himself again. As a mother, I am forever grateful. As an educator I am amazed at what SOI has done for him. I will forever sing the praises of the program. I am a believer.” - RS, parent



COMMON CAUSES OF FOCUS & ATTENTION PROBLEMS

- **a speedy mind** | tends to follow its own tangents or struggles to be present to the task at hand
- **hidden visual processing problems** | looking at a word or sentence, but nothing registers in the brain
- **auditory processing problems** | the ears hear the words, but the brain does not 'get it'
- **stress (too much overload)** | sometimes the presence of stress is not obvious
- **underlying health issues** | allergies can create memory loss and brain fog



EYES, EARS, & LEARNING

When someone is explaining a concept, **the learner must be able to “hear” what is being said.** Sometimes the messages going to the brain are not strong enough to receive that information clearly. This is when the “brain cannot hear.”

When an individual is reading a passage, **the visual system must recognize the words, the meanings must register, and the brain must process what has been read.** If any of the steps in this process are weak, full comprehension will not occur. When auditory or visual processing is impaired, the learner is at a disadvantage.

“THROUGHOUT THIS PROGRAM, MY DAUGHTER INCREASINGLY DEMONSTRATED THE CAPACITY TO RETAIN INFORMATION LEARNED. HER ABILITY TO FOCUS AND MAINTAIN ATTENTION CHANGED DRAMATICALLY; SO MUCH SO THAT HER TEACHER NOTICED THE IMPROVEMENT.”

- Carrie Burchfield, parent

It is important to **develop strong, lasting neurological connections** and a foundation for good visual and auditory processing.

MAKE THE CONNECTION

A BODY & BRAIN EXERCISE

SUPPLIES

You will need an **8 foot line on a flat surface**. Example: masking tape on the floor or chalk on concrete. It can be helpful to have the line close to a wall or stable surface.

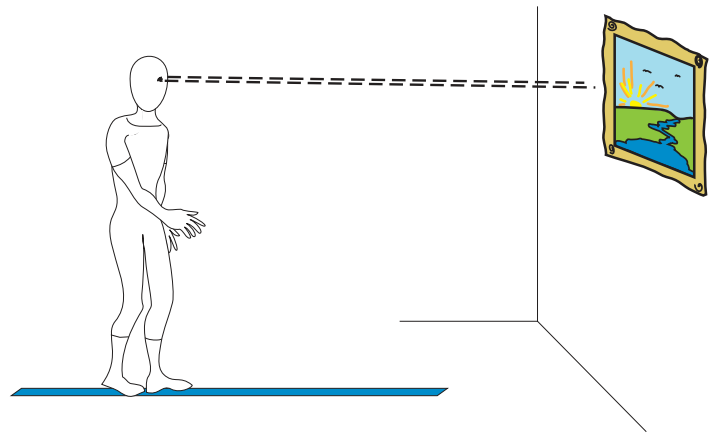
DIRECTIONS

Start at one end and **walk the line** - your heel and toe should touch each time - while looking straight ahead or at a designated target. If you fall off the line before getting to the end, start over. Repeat this several times. Take it to the next level by walking the line backward - toe to heel.

Note: This can be a challenging exercise for some people. It is acceptable to hold your arms out for extra balance or reach for a wall for stability in the beginning. Just keep practicing to make progress!

WHEN TO DO THIS EXERCISE

This is a great exercise to do **before starting homework, before school or class, or when you are having a hard time focusing**. If focusing issues are a major problem, this exercise can be done as needed/several times per day.



THIS EXERCISE WILL HELP IMPROVE YOUR:

- ability to focus
- control over your body
- attention span
- balance and posture
- large motor skills

ABILITIES NEEDED FOR LEARNING

SOI DEVELOPS THE LIFELONG LEARNING ABILITIES NEEDED TO BE SUCCESSFUL IN SCHOOL, YOUR CAREER, AND LIFE.

1. COMPREHENSION
2. MEMORY
3. PROBLEM SOLVING
4. EVALUATION
5. CREATIVITY

“My best experience with SOI is what it has done for me. When I came to SOI in 1998 I could not complete work on my AA degree. I am now in the final stages of obtaining my Doctorate Degree in Educational Leadership. This would not have happened without SOI testing and the modules needed to develop my low abilities.”

- Dr. Vickie Bockenkamp, SOI provider



COMPREHENSION

Comprehension, also known as cognition, is **the ability to “take in” new material** or to recognize previously presented material. It is critical for understanding and following routines, directions, and instructions. **People with strong comprehension abilities are rapid learners**, track easily, and are often identified as “one-time” learners.

Low cognizers, on the other hand, typically do not comprehend material initially. They are not tracking, so they may avoid eye contact, look out the window, become perplexed, or watch the clock, hoping they can get out of the uncomfortable situation.

Be patient and accepting of different modes and rates for learning new material.



COMPREHENSION IS:

- an excellent grasp of visual details
- the ability to orient objects in space
- having a good command of arithmetic facts
- understanding meanings and nuances
- understanding complicated verbal information

Activity Suggestions

- *Boggle*
- *Scrabble*
- *Battleship*
- *Apples to Apples*
- *Apples to Apples Junior*
- cooking & baking
- puzzles of countries & states
- collection hobbies
- microscopes & telescopes



MEMORY

Memory is **the ability to retrieve information that has been previously understood**. It is the counterpart to comprehension; the ability to “bring back” information. Comprehension is the ability to “take-in” information; memory is the ability to “bring-back” information.

Good comprehension does not necessarily equate to a good memory. The two are different, though complementary, and the difference explains why **some “bright” students do not perform well on achievement tests**.

If we think of memory as **“the developed art of paying attention,”** then we can understand why this is a growing concern in education, especially in elementary school. A lack of memory abilities can be inhibiting or disabling in the acquisition of basic learning skills.



Memory is one of the easiest learning abilities to train, and you will see improvement with fifteen minutes of daily memory training.

Activity Suggestions

There are many excellent programs, apps, and board games specifically designed to build memory and focus.

- concentration games for visual memory
- *Clue* for semantic and spatial memory
- card games for memory of numbers
- *Simon* for auditory memory

PROBLEM SOLVING

Problem solving, which SOI refers to as convergent production, is **the ability to arrive at the correct answer from the information given. This often involves rule following.** Convergent production requires the person to generate an answer from given knowledge, and emphasizes determining a universally-accepted answer.

The majority of school curricula relies heavily on problem solving abilities.

Most arithmetic, and even much of the arts and language arts - where all of the training concerned with the development of technique - is convergent.

People with high problem solving abilities tend to be **excellent scholars and enjoy research.** In contrast, those lower in this ability - which could be due to low memory - usually do not have good work skills, or stick with tedious subject matter.

COGNITION, MEMORY, AND PROBLEM SOLVING FORM THE BACKBONE OF PROCESSING ABILITIES REQUIRED IN SCHOOL LEARNING.



It is important to help the learner understand the “why” of the problem to be solved.

Activity Suggestions

- mazes
- dominoes
- Set (card game)
- building models
- checkers
- escape rooms



EVALUATION

Evaluation is the **ability to make practical judgments or decisions**. It is required in situations that involve incomplete information - either ambiguity or uncertainty.

Judging, choosing, and making decisions - **activities that shape and define our lives** - all involve evaluation abilities.

High evaluation people tend to make judgments for other people and are good decision makers. They typically want to be in control, are often leaders, and like to plan and organize. In contrast, low-evaluation students are often "in trouble" because they make wrong decisions and are poor planners.

Evaluation deals primarily with the practical side of life, whereas Comprehension, Memory, and Problem Solving relate more to the academic side.



Improve evaluation skills by asking open-ended questions:

- *Why did you do it that way?*
- *What is your favorite part about ____ and why?*
- *What do you think that couple over there is talking about?*
- *What do you think that person is thinking about?*



Being strong in Evaluation means that you are able to make visual judgments, have a good foundation for organization and classification, and are good at selecting numerical processes.

Activity Suggestions

- *Monopoly*
- *chess*
- *table tennis*
- *Mancala*
- *Ticket to Ride*
- *Settlers of Catan*
- *Hoot Owl Hoot*
- *Forbidden Island*



CREATIVITY

SOI refers to creativity as divergent production: the ability to step out of the ordinary and into the extraordinary. **It is the gift of inventiveness.** One creates (constructs, elaborates) answers within the boundaries of the problem.

Divergent production is a mix of creativity and idea fluency. **Blending problem-solving and divergent thinking enhances performance and confidence.** Advertising depends heavily on divergent production.

Creativity can look like: good fluency and

confidence with ideas, confidence and willingness to explore with symbols, or the **ability to produce ideas** and put them together.

**CHILDREN NEED CREATIVITY.
CREATIVITY OPENS THE MIND;
IT PROVIDES THEM WITH
OPPORTUNITIES TO WORK AND BE
IN CONTROL OF THEIR PRODUCTS.
ADULTS NEED TO FIND TIME TO BE
CREATIVE BECAUSE IT OPENS UP
THEIR MINDS IN ALL PURSUITS.**

Activity Suggestions

- rock art | Get outside and find a rock, then transform it at home.
- Build a story with at least four people who each contribute one sentence at a time.
- scribble game | Close your eyes with your pencil on the paper. When someone says "go," you scribble on the paper for a few seconds. Open your eyes and now and turn your scribbles into a picture of something.
- Play with legos or blocks without directions.



IMPORTANCE OF VISION IN LEARNING

The eyes have to work hard in order to actively engage the mind in the learning process, to remember visual information, and to correctly solve problems.

Eyesight is how well your eyes capture images, and vision is how the brain processes information coming from the eyes. Even if you have 20/20 eyesight, that doesn't mean that your eyes are ready to meet learning demands.

In addition to having good eyesight, your eyes also need to be able to do the following:

- scan from left to right
- see fine details
- not lose their place
- move from line to line
- shift focus (seat to board work)

Vision is a critical function in learning. It is very personal to each individual's ability to find learning success.

DID YOU KNOW?

Your achievement may drop if you:

- can't scan horizontally – necessary for seeing complete letters and reading
- can't distinguish small differences (visual discrimination), which is important for sustained reading over an extended period of time
- can't understand vocabulary and verbal ideas due to visual fatigue and loss of concentration
- have symptoms of poor eye tracking - jerky eye movement when following an object, excessive head movement, overshooting the target, etc.

MAKE THE CONNECTION

VISION EXERCISES

EXERCISE 1

1. Have the learner stand in the middle of room that is filled with a variety of objects.
2. Stand to the side slightly in front of the learner, so you can see their eyes.
3. Call out the name of an object that the learner can see without needing to turn to the left or right. The learner's eyes should move and focus on the object, without shifting their head. Continue to call out different objects.
4. To increase difficulty, pick up speed, and call out objects in quicker succession.

EXERCISE 2

1. Put 4 different colored sticky notes on the wall in the shape of a square. Each sticky note should be placed approximately 6 feet apart.
2. Have the learner stand 8 feet away from the wall, facing the sticky notes. You stand to the side, slightly in front of the learner, so you can see their eyes.
3. Call out one color of sticky note. The learner's eyes should move and focus on that color, without needing to shift their head. Continue to call out different colors.
4. To increase difficulty, pick up speed and call out colors in quicker succession.

Note: If these exercises are challenging, start with a short amount of time, working up to 5 minute sessions.

THESE EXERCISES HELP THE EYES' ABILITY TO:

- focus on a target
- shift focus
- move smoothly



“The SOI program changed my life.” - SM, client

LEARNING STYLES

One of the strengths of SOI testing is determining a person’s ability to handle different types of learning content: how well they can process figural, symbolic, or semantic data. We refer to these as learning styles. **What is your learning style?**

FIGURAL

Figural intelligence deals with **concrete information that one can see, hear, and touch directly** - where the informational content is immediately perceived. Most information is visual and spatial, but can also be auditory or even kinesthetic.

Most young children are figural learners, therefore school is often a new experience because little of it is figural.

Related careers: engineers, graphic design, dentistry, photography, plumbing, architecture

PLAY Pictionary TO IMPROVE FIGURAL ABILITIES!

SYMBOLIC

Symbolic intelligence deals with **information in notational form**. Unlike figural information, which is concrete, symbolic information is abstract. Concepts have been abstracted to be represented by a notational shorthand such as **numbers, notes of music, codes, letters, etc.**

The two major symbolic systems involved in education are alphabetic and numeric. There are also many other notational systems used for recording music, choreography, chemistry, logic, etc.

Related careers: accounting, bookkeeping, computer programming, banking, mathematics, and electrical engineering

PLAY SUDOKU TO IMPROVE SYMBOLIC ABILITIES!

SEMANTIC

Semantic content deals with **concepts and ideas and is the principal content in school**. Semantic learners are good at processing the conceptual content of language and are often at an advantage for learning!

Young children who are semantic learners usually do well in school. On the other hand, **those who are considered not to be ready for school are usually those who are undeveloped in semantic abilities** – concept recognition, understanding verbal relations, comprehension of extended verbal information, concept discrimination, etc. Educators often assume that children come to school with most of these semantic abilities in place, leading to classroom challenges.

Related careers: writing, sales, teaching, public relations, law, journalism, and psychology

PLAY SCATTERGORIES TO IMPROVE SEMANTIC ABILITIES!

COMMON LEARNING CHALLENGES

THIS CHECKLIST IS A GUIDE TO BETTER UNDERSTAND THE SCOPE OF CHALLENGES FACED BY THOSE WHO ARE NOT FINDING SUCCESS IN LEARNING.

- general academic issues
- homework takes too long
- difficulty following instructions
- inability to focus
- anxiety over school or work
- works extra hard to keep up with peers
- inability to track long or involved sentences and instructions
- lack of memory skills
- weak in memory for details
- unable to "hold" series of numbers, instructions, etc.
- poor reading comprehension
- loses place while reading; skips words or lines
- difficulty seeing connections in reading material
- omits small words in sentences
- has word holes in sentences
- cannot see words completely
- difficulty with spelling; may lose visual concentration
- poor handwriting
- slow at work requiring coordination of hand and eyes
- difficulty sorting everyday items - toys, dishes, laundry
- auditory discrimination problems
- problems with similarities and differences
- struggles with "thought" problems
- difficulty in tasks without explicit instructions
- low math skills
- poor with arithmetic facts
- difficulty acquiring new math concepts
- susceptible to math anxiety due to inability to handle ambiguity
- general behavioral issues
- social issues
- poor posture
- difficulty sitting still
- difficulty seeing others' points of view

IF ONE OR MORE OF THESE DESCRIBE YOU OR SOMEONE THAT YOU LOVE, SOI CAN HELP!



THE SOI PROCESS

ASSESS

SOI tests are the best way to **get a snapshot of your learning abilities** and see your learning potential. Our comprehensive assessments evaluate cognition, memory, problem solving, evaluation, and creativity.

IDENTIFY

Your learning profile - based on your assessment results - provides detailed information on **learning ability strengths, areas in need of attention, your dominant learning style**, suggestions for areas of improvement, and the meaning of your individual scores.

TRAIN

No matter the type of learning situation that you encounter in school, work, and life, we want you to be successful. Your **comprehensive, fully personalized SOI program** is the best approach to target your unique strengths and weaknesses. Low abilities can be improved and strong abilities can be further enhanced, creating a well-rounded individual on the path to success!

"I highly recommend the SOI test if you are seeking to understand your [child's] strengths and weaknesses. The SOI test is a terrific guide to tell you not just how much intelligence a person has, but what kind. I highly recommend it. - KS, parent

TAKE THE NEXT STEP

SOI's ability to develop comprehension, memory, evaluation, problem-solving, sensory-motor skills, and more is what makes our program stand out!

We are ready to help you develop the lifelong learning abilities that you need in order to be successful in school, your career, and life.



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