

Compiler Support

We will conclude this section with the provision of compiler support for the changes to the Standard Library, introduced by C++ 17.

WE'LL COVER THE FOLLOWING ^

- Compiler support

Compiler support

Feature	GCC	Clang	MSVC
<code>std::byte</code>	7.1	5.0	VS 2017 15.3
Improvements for Maps and Sets	7.0	3.9	VS 2017 15.5
<code>insert_or_assign()</code> / <code>try_emplace()</code> for maps	6.1	3.7	VS 2017 15
Emplace Return Type	7.1	4.0	VS 2017 15.3
Sampling algorithms	7.1	In Progress	VS 2017 15
<code>gcd</code> and <code>lcm</code>	7.1	4.0	VS 2017 15.3
<code>clamp</code>	7.1	3.9	VS 2015.3

Special Mathematical Functions	7.1	Not yet	VS 2017 15.7
Shared Pointers and Arrays	7.1	In Progress	VS 2017 15.5
Non-member <code>size()</code> , <code>data()</code> and <code>empty()</code>	6.1	3.6	VS 2015
<code>constexpr</code> Additions to the Standard Library	7.1	4.0	VS 2017 15.3
<code>scoped_lock</code>	7.1	5.0	VS 2017 15.3
Polymorphic Allocator & Memory Resource	9.1	In Progress	VS 2017 15.6

We're finished with the minor additions and changes to C++.

The next section will teach us to refactor old code with the new utilities of C++17.