

testing::Test

testing::WithParamInterface< int >

testing::TestWithParam< int >

TestGenerationTest

```
graph BT; TG[TestGenerationTest] --> TW[testing::TestWithParam< int >]; TW --> T[testing::Test]; TW --> WI[testing::WithParamInterface< int >];
```

The diagram illustrates the relationships between four classes in the Google Test framework. At the top, there are two base classes: `testing::Test` on the left and `testing::WithParamInterface< int >` on the right. Below these, in the center, is the class `testing::TestWithParam< int >`. At the bottom is the class `TestGenerationTest`. Arrows indicate inheritance: an arrow points from `TestGenerationTest` up to `testing::TestWithParam< int >`. From `testing::TestWithParam< int >`, two arrows point upwards: one to `testing::Test` and one to `testing::WithParamInterface< int >`.