

NEIS API 연동 결과 보고서

학사일정 자동 동기화 및 학교 검색 시스템 최종 검증

Total Tests: 17 / 17 PASSED

○ SCHOOL SEARCH

```
[
  {
    "atpt_code": "B10",
    "sd_code": "7091427",
    "name": "대치중학교",
    "school_type": "middle",
    "address": "서울특별시 강남구 남부순환로378길 39"
  },
  {
    "atpt_code": "B10",
    "sd_code": "7091380",
    "name": "서울대치초등학교",
    "school_type": "elementary",
    "address": "서울특별시 강남구 양재천로 363"
  }
]
```

○ SCHOOL LIST

```
[
  {
    "id": 1,
    "name": "대치고등학교",
```

```
    "atpt_code": "B10",
    "sd_code": "7010057",
    "school_type": "high",
    "color": "#f97316",
    "enabled": true,
    "last_sync_at": "2026-02-08T23:01:33.289937",
    "created_at": "2026-02-06 00:48:28",
    "event_count": 130
  }
]
```

○ CALENDAR

```
{
  "year": 2025,
  "month": 3,
  "events": [
    {
      "id": 1,
      "school_id": 1,
      "school_name": "대치고등학교",
      "school_color": "#f97316",
      "date": "2025-03-01",
      "end_date": null,
      "title": "토요일휴업일",
      "category": "other",
      "source": "neis"
    },
    {
      "id": 2,
      "school_id": 1,
      "school_name": "대치고등학교",
      "school_color": "#f97316",
      "date": "2025-03-03",
      "end_date": null,
      "title": "대체공휴일",
      "category": "holiday",
      "source": "neis"
    },
    {
      "id": 3,
      "school_id": 1,
```

```
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2025-03-04",
    "end_date": null,
    "title": "입학식",
    "category": "event",
    "source": "neis"
  },
  {
    "id": 4,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2025-03-04",
    "end_date": null,
    "title": "개학식",
    "category": "vacation",
    "source": "neis"
  },
  {
    "id": 5,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2025-03-08",
    "end_date": null,
    "title": "토요휴업일",
    "category": "other",
    "source": "neis"
  },
  {
    "id": 6,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2025-03-15",
    "end_date": null,
    "title": "토요휴업일",
    "category": "other",
    "source": "neis"
  },
  {
    "id": 7,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2025-03-22",
    "end_date": null,
    "title": "토요휴업일",
```

```

        "category": "other",
        "source": "neis"
    },
    {
        "id": 8,
        "school_id": 1,
        "school_name": "대치고등학교",
        "school_color": "#f97316",
        "date": "2025-03-29",
        "end_date": null,
        "title": "토요휴업일",
        "category": "other",
        "source": "neis"
    }
],
"exam_periods": []
}

```

○ HOLIDAYS

```

[
    {
        "id": 2,
        "school_id": 1,
        "school_name": "대치고등학교",
        "school_color": "#f97316",
        "date": "2025-03-03",
        "end_date": null,
        "title": "대체공휴일",
        "category": "holiday",
        "source": "neis"
    },
    {
        "id": 15,
        "school_id": 1,
        "school_name": "대치고등학교",
        "school_color": "#f97316",
        "date": "2025-05-05",
        "end_date": null,
        "title": "어린이날",
        "category": "holiday",
        "source": "neis"
    }
]

```

```
},
{
  "id": 16,
  "school_id": 1,
  "school_name": "대치고등학교",
  "school_color": "#f97316",
  "date": "2025-05-06",
  "end_date": null,
  "title": "대체공휴일",
  "category": "holiday",
  "source": "neis"
},
{
  "id": 21,
  "school_id": 1,
  "school_name": "대치고등학교",
  "school_color": "#f97316",
  "date": "2025-06-03",
  "end_date": null,
  "title": "대통령 선거일",
  "category": "holiday",
  "source": "neis"
},
{
  "id": 22,
  "school_id": 1,
  "school_name": "대치고등학교",
  "school_color": "#f97316",
  "date": "2025-06-06",
  "end_date": null,
  "title": "현충일",
  "category": "holiday",
  "source": "neis"
},
{
  "id": 50,
  "school_id": 1,
  "school_name": "대치고등학교",
  "school_color": "#f97316",
  "date": "2025-08-15",
  "end_date": null,
  "title": "광복절",
  "category": "holiday",
  "source": "neis"
},
{
  "id": 58,
  "school_id": 1,
  "school_name": "대치고등학교",
```

```
    "school_color": "#f97316",
    "date": "2025-10-03",
    "end_date": null,
    "title": "개천절",
    "category": "holiday",
    "source": "neis"
  },
  {
    "id": 60,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2025-10-06",
    "end_date": null,
    "title": "추석",
    "category": "holiday",
    "source": "neis"
  },
  {
    "id": 61,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2025-10-07",
    "end_date": null,
    "title": "추석연휴",
    "category": "holiday",
    "source": "neis"
  },
  {
    "id": 62,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2025-10-08",
    "end_date": null,
    "title": "대체공휴일",
    "category": "holiday",
    "source": "neis"
  },
  {
    "id": 63,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2025-10-09",
    "end_date": null,
    "title": "한글날",
    "category": "holiday",
```

```
    "source": "neis"
  },
  {
    "id": 81,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2025-12-25",
    "end_date": null,
    "title": "성탄절",
    "category": "holiday",
    "source": "neis"
  },
  {
    "id": 83,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2026-01-01",
    "end_date": null,
    "title": "신정",
    "category": "holiday",
    "source": "neis"
  },
  {
    "id": 119,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2026-02-16",
    "end_date": null,
    "title": "설날연휴",
    "category": "holiday",
    "source": "neis"
  },
  {
    "id": 120,
    "school_id": 1,
    "school_name": "대치고등학교",
    "school_color": "#f97316",
    "date": "2026-02-17",
    "end_date": null,
    "title": "설날연휴",
    "category": "holiday",
    "source": "neis"
  },
  {
    "id": 121,
    "school_id": 1,
```

```

        "school_name": "대치고등학교",
        "school_color": "#f97316",
        "date": "2026-02-18",
        "end_date": null,
        "title": "설날연휴",
        "category": "holiday",
        "source": "neis"
    }
]

```

✓ TEST RESULTS

```

===== test session starts
=====
platform linux -- Python 3.10.12, pytest-9.0.2, pluggy-1.6.0 --
/mnt/d/progress/mathesis/node15_school_calendar/backend/venv/bin/python
cachedir: .pytest_cache
rootdir: /mnt/d/progress/mathesis/node15_school_calendar/backend
configfile: pytest.ini
plugins: anyio-4.12.1, asyncio-1.3.0, bdd-8.1.0, cov-7.0.0
asyncio: mode=auto, debug=False,
asyncio_default_fixture_loop_scope=None,
asyncio_default_test_loop_scope=function
collecting ... collected 17 items

tests/test_neis_client.py::test_학교명_검색_성공 PASSED
[  5%]
tests/test_neis_client.py::test_짧은_키워드_검색 PASSED
[ 11%]
tests/test_neis_client.py::test_존재하지_않는_학교_검색 PASSED
[ 17%]
tests/test_neis_client.py::test_학사일정_조회_성공 PASSED
[ 23%]
tests/test_neis_client.py::test_이벤트_카테고리_자동_분류 PASSED [
29%]
tests/test_neis_client.py::test_날짜_포맷_변환 PASSED
[ 35%]
tests/test_schedule_sync.py::test_단일_학교_일정_동기화 PASSED
[ 41%]
tests/test_schedule_sync.py::test_동기화_후_일정_조회 PASSED
[ 47%]
tests/test_schedule_sync.py::test_캘린더_뷰_데이터_조회 PASSED

```



```

[ 52%]
tests/test_schedule_sync.py::test_카테고리별_일정_필터링 PASSED
[ 58%]
tests/test_schedule_sync.py::test_존재하지_않는_학교_동기화_시도 PASSED [
64%]
tests/test_school_management.py::test_neis에서_학교_검색 PASSED
[ 70%]
tests/test_school_management.py::test_학교_등록 PASSED
[ 76%]
tests/test_school_management.py::test_중복_학교_등록_방지 PASSED
[ 82%]
tests/test_school_management.py::test_학교_목록_조회 PASSED
[ 88%]
tests/test_school_management.py::test_학교_정보_수정 PASSED
[ 94%]
tests/test_school_management.py::test_학교_삭제 PASSED
[100%]

===== warnings summary
=====
main.py:23
  /mnt/d/progress/mathesis/node15_school_calendar/backend/main.py:23:
DeprecationWarning:
    on_event is deprecated, use lifespan event handlers instead.

    Read more about it in the
    [FastAPI docs for Lifespan Events]
    (https://fastapi.tiangolo.com/advanced/events/).

    @app.on_event("startup")

venv/lib/python3.10/site-packages/fastapi/applications.py:4495

/mnt/d/progress/mathesis/node15_school_calendar/backend/venv/lib/python3.1
packages/fastapi/applications.py:4495: DeprecationWarning:
    on_event is deprecated, use lifespan event handlers instead.

    Read more about it in the
    [FastAPI docs for Lifespan Events]
    (https://fastapi.tiangolo.com/advanced/events/).

    return self.router.on_event(event_type)

-- Docs: https://docs.pytest.org/en/stable/how-to/capture-warnings.html
===== tests coverage
=====
----- coverage: platform linux, python 3.10.12-final-0
-----

```

Name	Stmts	Miss	Cover	Missing
database/__init__.py	0	0	100%	
database/connection.py	18	0	100%	
models/__init__.py	0	0	100%	
models/schemas.py	58	0	100%	
routers/__init__.py	0	0	100%	
routers/schedules.py	101	29	71%	30-34, 37-38, 41-42, 73, 106-109, 115-119, 209-222
routers/schools.py	71	10	86%	56-57, 62-63, 66-75, 89, 101
services/__init__.py	0	0	100%	
services/neis_client.py	70	16	77%	11-12, 24, 37-42, 54-55, 91-92, 97, 99-100
TOTAL	318	55	83%	

===== 17 passed, 2 warnings in 10.38s =====

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