

## Developing a General Tiered Student Growth Objective

### Example: Physics General Tiered Sample

**Step One: What is the range of student scores on your pre-assessment?**

e.g., between 35%- 80%

**Step Two: Break the above range into 3 equal tiers**

e.g., Tier One (Low) = 35%-49%

Tier Two (Medium) = 50%-66%

Tier Three (High) = 67% -80%

**Step Three: Calculate the number of students in each tier**

| Tier   | Range   | Number of students /total students |
|--------|---------|------------------------------------|
| Low    | 35%-49% | 36/65                              |
| Medium | 50%-66% | 21/65                              |
| High   | 67%-80% | 8/65                               |

**Step Four: Develop your Target Score (Ambitious and Achievable)**

- Score that indicates **considerate** learning
- Developed with your evaluator

e.g., Target Score = 80%

**Step Five: How many of your students can achieve this target score?**

- This needs to be rigorous
- Developed with your evaluator

e.g., 50 students out of 65 students (77% of students) will be able to achieve the target score of 80%

**Step Six: Develop your Range (state recommends between 10-15% range)**

e.g., Use range of 14% (add 7 to and subtract 7 from target score of 77%)

Therefore, your range would be 70 % to 84%

- The low range (70%) equals your “full attainment” (AKA your SGO)
- The high range (85%) equals your exceptional level” (exceed your objective)

***\*If you were developing a general simple SGO- you would stop here. Your SGO would state: “At least 70% (45/65) of my students will attain a score of 80% or above on the end of course test. “***

**Step Seven: Complete the Scoring Plan**

| Tier   | Target Score | Exceptional (4) | Full (3)     | Partial (2)   | Insufficient (1) |
|--------|--------------|-----------------|--------------|---------------|------------------|
| Low    |              |                 |              |               |                  |
| Medium | 80           | >85% (19-21)    | ≥70% (15-18) | ≥ 55% (11-14) | < 55% (0-10)     |
| High   |              |                 |              |               |                  |

**Step Eight: Adjust your target score for the low and high tier based on student readiness**

e.g., low = target score of 70%

high = target score of 90%

**Step Nine: Develop Scoring Plan for all tiers**

- Remember the range is identical for all tiers.

| <b>Tier</b> | <b>Target Score</b> | <b>Exceptional (4)</b> | <b>Full (3)</b> | <b>Partial (2)</b> | <b>Insufficient (1)</b> |
|-------------|---------------------|------------------------|-----------------|--------------------|-------------------------|
| Low         | 70                  | >85% (31-36)           | ≥ 70% (25-30)   | ≥ 55% (18-24)      | < 55% (0-17)            |
| Medium      | 80                  | >85% (19-21)           | ≥70% (15-18)    | ≥ 55% (11-14)      | < 55% (0-10)            |
| High        | 90                  | >85% (8)               | ≥ 70% (6-7)     | ≥ 55% (405)        | < 55% (0-3)             |

## Student Growth Objective (Physics, General, Tiered)

| Grade  | Course/Subject                            | Number of Students  | Interval of Instruction                           |                                   |                             |
|--|---|---|---|-----------------------------------|-----------------------------|
| 9  | Physics 1                                 | 65  | Full year <input checked="" type="checkbox"/>     | Semester <input type="checkbox"/> | Other _____                 |
| Name of Assessment   | Department-developed Physics 1 assessment | SGO Type  | General <input checked="" type="checkbox"/>       | Specific <input type="checkbox"/> |                             |
| Rationale for Student Growth Objective<br>(Please include content standards covered and explanation of assessment method.)   |   |   |   |                                   |                             |
| <p>This SGO covers all of my students, all of the physical science content standards and all four science practice standards:<br/>           NJCCCS physical science 5.2.12 C-E (energy, energy transformation, force and motion)<br/>           NJCCCS science practices 5.1.12 A-D<br/>           Physics 1 assessment –<br/> <b>Written:</b> 60 multiple choice (4 choice), 5 short response questions.<br/> <b>Practical:</b> students design a simple apparatus, take measurement and collect data.</p> |   |   |   |                                   |                             |
| Student Growth Objective   |   |   |   |                                   |                             |
| Preparedness Group<br>(e.g. Low, Medium, High)   | Number of Students in Each Group (Total)  | Target Score on Post-Assessment (%)   | Number of Students Required for "Full Attainment" |                                   |                             |
| Low  | 36/65                                     | 70  | 25-30   |                                   |                             |
| Medium   | 21/65                                     | 80  | 15-18   |                                   |                             |
| High   | 8/65                                      | 90  | 6-7   |                                   |                             |
| Baseline Data and Preparedness Groupings<br>(Please include the number of students in each preparedness group. Summarize the information you used to produce these groupings. Provide any additional student data or background information used in setting your objective.)   |   |   |   |                                   |                             |
| <p>Based on the Physics 1 pre-assessment, students are grouped into 3 levels of preparedness. These groupings are also supported by prior year's math scores.<br/>           Low – 36 students scored 35-49%<br/>           Medium – 21 students scored 50-66%<br/>           High – 8 students scored 67-80%</p>  |   |   |   |                                   |                             |
| Scoring Plan   |   |   |   |                                   |                             |
| Preparedness Group   | Target Score on Final Assessment          | Objective Attainment Level Based on Percent and Number of Students Achieving Target Score |   |                                   |                             |
|  |   | Exceptional Attainment (4)  | Full Attainment (3)                               | Partial Attainment (2)            | Insufficient Attainment (1) |
| Low  | 70  | >85% students (31-36)   | ≥70% students (25-30)                             | ≥55% students (18-24)             | <55% students (0-17)        |
| Medium   | 80  | >85% students (19-21)   | ≥70% students (15-18)                             | ≥55% students (11-14)             | <55% students (0-10)        |
| High   | 90  | >85% students (8)   | ≥70% students (6-7)                               | ≥55% students (4-5)               | <55% students (0-3)         |

**Approval of Student Growth Objective**

|                          |                                   |                               |
|--------------------------|-----------------------------------|-------------------------------|
| Teacher <u>I. Newton</u> | Signature <u><i>I. Newton</i></u> | Date Submitted <u>10/1/15</u> |
| Evaluator <u>N. Bohr</u> | Signature <u><i>N. Bohr</i></u>   | Date Approved <u>10/11/15</u> |

**Results of Student Growth Objective**

| Preparedness Group | Number of Students at Target Score | Objective Attainment Level | SGO Score<br>Average Objective Attainment Level | Teacher <u><i>I. Newton</i></u> |
|--------------------|------------------------------------|----------------------------|---|---------------------------------|
| Low                | 32                                 | 4                          | <u>3.3</u>                                      | Evaluator <u><i>N. Bohr</i></u> |
| Medium             | 12                                 | 2                          |   | Date <u>6/13/15</u>             |
| High               | 8                                  | 4                          |   |                                 |

SAMPLE