

TIMSS 2011 Schedule of Development Activities for the Mathematics and Science Items

| Date(s) | Group and Activity |
|---------------------|---|
| July– December 2008 | TIMSS & PIRLS International Study Center conducted content analysis of the curricular topics described in the <i>TIMSS 2007 Encyclopedia</i> |
| December 2008 | Science Task Force proposed updates for the 2011 Science Framework, incorporating results from the content analysis (Boston, USA) |
| January 2009 | TIMSS & PIRLS International Study Center compiled proposed updates to assessment frameworks in preparation for 1st National Research Coordinator (NRC) meeting |
| February 2009 | NRCs reviewed proposed updates to assessment frameworks at 1st NRC meeting (Sharm El Sheikh, Egypt) |
| March 2009 | TIMSS & PIRLS International Study Center incorporated feedback from 1st NRC meeting to further refine the TIMSS 2011 Assessment Frameworks and surveyed NRCs online about proposed assessment topic areas and objectives |
| March 2009 | Science and Mathematics Item Review Committee (SMIRC) reviewed proposed mathematics and science frameworks in conjunction with NRCs' survey responses at 1st SMIRC meeting (London, England) |
| April 2009 | TIMSS & PIRLS International Study Center prepared final drafts of TIMSS 2011 mathematics and science assessment frameworks, incorporating SMIRC and NRC comments |
| April 2009 | TIMSS & PIRLS International Study Center updated TIMSS Item Writing Guidelines for 2011 |
| May 2009 | NRCs reviewed TIMSS 2011 Assessment Frameworks and developed draft field test items using TIMSS 2011 Item Writing Guidelines at 2nd NRC meeting (Washington, DC, USA) |
| June 2009 | Science and Mathematics Task Forces reviewed and edited draft field test items and scoring guides, developed additional items to cover the frameworks, and classified items into preferred and alternate sets (Boston, USA) |
| June–July 2009 | TIMSS & PIRLS International Study Center further refined draft field test items and scoring guides and continued to develop additional items to cover frameworks |
| August 2009 | SMIRC reviewed draft field test items and scoring guides at 2nd SMIRC meeting (Amsterdam, the Netherlands) |
| September 2009 | TIMSS & PIRLS International Study Center revised draft field test items and scoring guides to address SMIRC comments |
| September 2009 | TIMSS & PIRLS International Study Center published <i>TIMSS 2011 Assessment Frameworks</i> |
| October 2009 | Science Task Force conducted final review of draft field test items, scoring guides, and framework coverage in preparation for 3rd NRC meeting (Boston, USA) |
| October 2009 | TIMSS & PIRLS International Study Center conducted a pilot test of potentially difficult reasoning items in Australia |
| November 2009 | NRCs reviewed and approved proposed field test items at 3rd NRC meeting (Istanbul, Turkey) |
| November 2009 | TIMSS & PIRLS International Study Center assembled field test items into assessment blocks |
| December 2009 | TIMSS & PIRLS International Study Center distributed field test achievement booklets to NRCs |
| January 2010 | TIMSS & PIRLS International Study Center collected student responses to constructed-response items from English-speaking countries to develop scoring training materials |
| February 2010 | Science and Mathematics Task Forces modified scoring guides for constructed-response items based on student responses and developed scoring training materials for 4th NRC meeting (Boston, USA) |

| Date(s) | | Group and Activity |
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| March–April | 2010 | TIMSS & PIRLS International Study Center administered TIMSS 2011 field test |
| March | 2010 | NRCs received scoring training for TIMSS 2011 constructed-response field test items at 4th NRC meeting (Melbourne, Australia) |
| April | 2010 | Countries began submitting field test achievement data for analysis and review |
| June | 2010 | TIMSS & PIRLS International Study Center reviewed field test item statistics and assembled proposed item blocks in preparation for 3rd SMIRC meeting |
| June | 2010 | SMIRC reviewed proposed item blocks in conjunction with field test results at 3rd SMIRC meeting (Gothenburg, Sweden) |
| August | 2010 | NRCs reviewed and approved item blocks for TIMSS 2011 data collection at 5th NRC meeting (Prague, Czech Republic) |
| August | 2010 | TIMSS & PIRLS International Study Center distributed TIMSS 2011 data collection achievement booklets to NRCs |
| October–December | 2010 | Southern Hemisphere countries conducted TIMSS 2011 data collection |
| October | 2010 | TIMSS & PIRLS International Study Center updated and prepared materials for TIMSS 2011 constructed-response item scoring training |
| November | 2010 | NRCs from Southern Hemisphere countries received scoring training for constructed-response items (Wellington, New Zealand) |
| November | 2010 | TIMSS & PIRLS International Study Center finalized scoring guides and training materials for constructed-response items and distributed them to NRCs |
| March | 2011 | NRCs from Northern Hemisphere countries received scoring training for constructed-response items at 6th NRC meeting (Bangkok, Thailand) |
| March–June | 2011 | Northern Hemisphere countries conducted TIMSS 2011 data collection |