

# JSON Coursetune v1.18B Documentation

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## [JSON Coursetune v1.18B Documentation](#)

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## Course JSON files (Level 4)

In general, the structure of the course file download contains the following objects:

| Root v1.18B                                                                                                                                                                                                                                                                                                                                 | Root v1.18A                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>→ courses</li><li>→ bundles</li><li>→ los</li><li>→ details</li><li>→ mappedOutcome</li><li>→ outcomes</li><li>→ c_layers</li><li>→ outcomesets</li><li>→ activities</li><li>→ engagements_active</li><li>→ links</li><li>→ activity_settings</li><li>→ loscale</li><li>→ formatVersion: 14</li></ul> | <ul style="list-style-type: none"><li>→ courses</li><li>→ bundles</li><li>→ los</li><li>→ details</li><li>→ mappedOutcome</li><li>→ outcomes</li><li>→ c_layers</li><li>→ outcomesets</li><li>→ activities</li><li>→ engagements_active</li><li>→ links</li><li>→ activity_settings</li><li>→ loscale</li><li>→ formatVersion: 13</li></ul> |

Note: Each design element (LOs, bundles, c-layer elements, activities, courses, outcomes, outcomesets, links, loscale) has a unique design identifier in this file.

|     |                   |             |                                                                                                                                                                 |
|-----|-------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| los |                   |             | learning objective object (LO object)                                                                                                                           |
|     | design identifier |             | identifier for design element                                                                                                                                   |
|     |                   | id          | learning objective identifier given by institution                                                                                                              |
|     |                   | description | learning objective full text                                                                                                                                    |
|     |                   | savedwords  | two-word abbreviation for learning objective                                                                                                                    |
|     |                   | details     | array that holds identifiers of LO details associated with the learning objective                                                                               |
|     |                   | mapped      | array that holds mapping relations between the LO and outcomes<br>Note: The item in the array is an id (design identifier) of an object in mappedOutcome array. |
|     |                   | loscale     | Identifier of loscale object                                                                                                                                    |

Note: [Details about various LO scales can be found in Coursetune documentation.](#)

|         |                   |             |                                                                                                                                                                     |
|---------|-------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| bundles |                   |             | bundles (units, modules, weeks, chapters, sections, etc.) - the organization for learning delivery                                                                  |
|         | design identifier |             | identifier for design element                                                                                                                                       |
|         |                   | id          | bundle identifier given by institution                                                                                                                              |
|         |                   | name        | short name used to identify the bundle                                                                                                                              |
|         |                   | description | full description of the bundle                                                                                                                                      |
|         |                   | los         | array that holds the order and identifiers for learning objectives that sit within this bundle (item is the index, value is the coursetune identifier for the LO)   |
|         |                   | mapped      | array that holds mapping relations between the bundle and outcomes<br>Note: The item in the array is an id (design identifier) of an object in mappedOutcome array. |

|          |                   |             |                                                                                                                                                                     |
|----------|-------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| c_layers |                   |             | c-layer (competencies, CLOs, course goals, etc) - the organization for big picture goals for the course                                                             |
|          | design identifier |             | identifier for design element                                                                                                                                       |
|          |                   | id          | c-layer identifier given by institution                                                                                                                             |
|          |                   | name        | short name used to identify the c-layer element                                                                                                                     |
|          |                   | description | full description of the c-layer element                                                                                                                             |
|          |                   | los         | array that holds the order and identifiers for learning objectives that sit within this bundle (item is the index, value is the coursetune identifier for the LO)   |
|          |                   | mapped      | array that holds mapping relations between the c-layer and outcomes<br>Note: The item in the array is an id (design identifier) of an object in mappedOutcome array |

|                            |                      |          |                                                                                                                                              |
|----------------------------|----------------------|----------|----------------------------------------------------------------------------------------------------------------------------------------------|
| engage<br>ments_<br>active |                      |          | active engagement type on an activity                                                                                                        |
|                            | design<br>identifier |          | identifier for design element                                                                                                                |
|                            |                      | property | If there this activity has property type active engagement, then this string field holds the types of active engagement (it is multi-select) |

|                              |                      |                       |                                                                                                                                                                              |
|------------------------------|----------------------|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DataLea<br>rningActi<br>vity |                      |                       | learning and assessment activities                                                                                                                                           |
|                              | design<br>identifier |                       | identifier for design element                                                                                                                                                |
|                              |                      | name                  | name of the individual activity                                                                                                                                              |
|                              |                      | description           | text description of the activity                                                                                                                                             |
|                              |                      | type                  | the type of activity (chosen from the dropdown list of activities)                                                                                                           |
|                              |                      | modality              | the modality of the activity (chosen from the dropdown list of activity modalities)                                                                                          |
|                              |                      | engagement            | the type of engagement of the activity (chosen from the dropdown list of activity engagement types - if "active" is chosen, then there are further choices in a multiselect) |
|                              |                      | grading               | the type of grading for the activity (chosen from the dropdown list of grading types)                                                                                        |
|                              |                      | averageTime           | average/planned time for the activity as a decimal design element identifier representing hours                                                                              |
|                              |                      | points                | points assigned to activity as a floating point number                                                                                                                       |
|                              |                      | los                   | array consisting of the learning objectives coursetune identifiers associated with this activity                                                                             |
|                              |                      | engagement_act<br>ive | array consisting of coursetune identifiers associated with engagement type: <ul style="list-style-type: none"> <li>Interaction with expert</li> </ul>                        |

|  |  |               |                                                                                                                                                                                             |
|--|--|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |               | <ul style="list-style-type: none"> <li>• Interaction with peers</li> <li>• Interaction with community</li> <li>• Individual active learning</li> <li>• Digital-mediated learning</li> </ul> |
|  |  | links         | array consisting of the asset links and coursetune identifiers associated with this activity                                                                                                |
|  |  | is_assessment | controls whether the learning activity is an assessment or not                                                                                                                              |
|  |  | id            | activity identifier                                                                                                                                                                         |

|         |                   |                            |                                                                                                                                                           |
|---------|-------------------|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| courses |                   |                            | this holds properties associated with the course                                                                                                          |
|         | design identifier |                            | identifier for design element                                                                                                                             |
|         |                   | id                         | course identifier given by the institution                                                                                                                |
|         |                   | name                       | name of course                                                                                                                                            |
|         |                   | bundletype                 | what the bundles are called in this course (units, modules, weeks, etc)                                                                                   |
|         |                   | state                      | One of "" (empty string, not set) / "0" (c-layer) / "1" (bundle). Defines preferred view mode on switching from program to course level                   |
|         |                   | description                | course description                                                                                                                                        |
|         |                   | credits                    | design element identifier of credits                                                                                                                      |
|         |                   | show_bundle_labels         | Is the bundle label displayed in this course? (e.g. Unit 1 or Week 3)                                                                                     |
|         |                   | alphabetize_los            | Are the LOs alphabetized on the c-layer in this course? (never alphabetized on the bundle layer)                                                          |
|         |                   | repeated_los_with_red_text | Are repeated LOs shown in red in the c-layer in this course?                                                                                              |
|         |                   | bundles                    | array that holds the order and identifiers for bundles that sit within this course (item is the index, value is the coursetune identifier for the bundle) |
|         |                   | c_layers                   | array that holds the order and identifiers for c-layer                                                                                                    |

|  |  |                     |                                                                                                                                                                                                                                                                                                                              |
|--|--|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |                     | elements that sit within this course (item is the index, value is the coursetune identifier for the c-layer element)                                                                                                                                                                                                         |
|  |  | outcomesets         | array that holds course outcome sets (identifiers) for this course.<br>Note: Might include outcomesets from higher levels of hierarchy (program and institution in course file, institution in program file) if at least one lo is mapped to such an outcome.                                                                |
|  |  | loscale             | Indicates which LO scale is being displayed in this course. Note that this uses a generic name. Here's the mapping:<br>4pt_complexity_scale = Marzano Complexity<br>lo_scale3 = Simplified Bloom<br>lo_scale5 = Bloom Levels<br>webb_dok = Webb Depth-of-knowledge<br>fink_taxonomy = Fink Taxonomy<br>esil_lens = ESIL Lens |
|  |  | activities          | array that holds identifiers for activities that sit within this course (item is the index, value is the coursetune identifier for the activity)                                                                                                                                                                             |
|  |  | canvasId            | id for the corresponding course in Canvas LMS                                                                                                                                                                                                                                                                                |
|  |  | bundle_orphans      | List of bundle orphan los (those which are attached to c-layer but not to any bundle)                                                                                                                                                                                                                                        |
|  |  | competency_orphans  | List of c-layer orphan los (those which are attached to bundles but not to any c-layer)                                                                                                                                                                                                                                      |
|  |  | activities_settings | Array that holds identifiers of activities settings. Refers to the activity_settings objects set.                                                                                                                                                                                                                            |

|          |                   |      |                                                                          |
|----------|-------------------|------|--------------------------------------------------------------------------|
| outcomes |                   |      | outcomes (listed under the outcome set in the right-hand Mappings panel) |
|          | design identifier |      | identifier for design element                                            |
|          |                   | id   | outcome identifier given by user                                         |
|          |                   | name | short name used to identify the outcome                                  |

|  |  |             |                                                                                                                                                                                                                                     |
|--|--|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | description | full description of the outcome                                                                                                                                                                                                     |
|  |  | suboutcomes | array of outcomes coursetune identifiers associated with the outcome as suboutcomes                                                                                                                                                 |
|  |  | realld      | Internal identifier. The value is present if the outcome is taken from higher level of hierarchy into lower level file (for example, program level outcome and course file). It is used to avoid duplication of outcomes on import. |
|  |  | level       | DataProgram / DataDivision / DataInstitution. Is present under the same conditions as realld                                                                                                                                        |

|              |                   |             |                                                                                                                                                                                                                              |
|--------------|-------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| outcome sets |                   |             | Outcome sets (listed in the right-hand Mappings panel)                                                                                                                                                                       |
|              | design identifier |             | identifier for design element                                                                                                                                                                                                |
|              |                   | id          | Outcome set identifier given by user                                                                                                                                                                                         |
|              |                   | name        | short name used to identify the outcome set                                                                                                                                                                                  |
|              |                   | description | full description of the outcome set                                                                                                                                                                                          |
|              |                   | outcomes    | array that holds the identifiers for outcomes included in this set                                                                                                                                                           |
|              |                   | realld      | Internal identifier. The value is present if the outcomeset is taken from higher level of hierarchy into lower level file (program level outcome and course file). It is used to avoid duplication of outcomesets on import. |
|              |                   | level       | DataProgram / DataDivision/ DataInstitution. Is present under the same conditions as realld                                                                                                                                  |

|               |                   |  |                                                                                                                                          |
|---------------|-------------------|--|------------------------------------------------------------------------------------------------------------------------------------------|
| mappedOutcome |                   |  | Mapping relation between an outcome/suboutcome referenced by the mappedOutcome and the item that holds the mappedOutcome in mapped array |
|               | design identifier |  | identifier for design element                                                                                                            |

|  |  |         |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--|--|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | outcome | Identifier of an outcome                                                                                                                                                                                                                                                                                                                                                                                                                     |
|  |  | state   | Mapping state:<br>“2” - mapped (applicable for los / bundles / c-layers). Lo is mapped to the outcome or all los of bundle / c-layer are mapped to the outcome/suboutcome.<br>“3” - both mapped and unsure (applicable for bundles / c-layers). Some but not all los of the entity are mapped to the outcome. “3” is also mapping state of an lo regarding to an outcome if the lo is mapped to some but not all suboutcomes of the outcome. |

|       |                   |       |                               |
|-------|-------------------|-------|-------------------------------|
| links |                   |       | Activities' asset links       |
|       | design identifier |       | identifier for design element |
|       |                   | _name | name of an asset link         |
|       |                   | _url  | URL to the asset              |
|       |                   | _id   | Id of an asset link           |

|         |                   |                     |                                             |
|---------|-------------------|---------------------|---------------------------------------------|
| loscale |                   |                     | Scale data for Learning objective           |
|         | design identifier |                     | identifier for design element               |
|         |                   | scale_3bloom        | 3-level simplified Bloom scale value (1-3)  |
|         |                   | scale_6bloom        | 6-level Bloom's verb scale value (1-6)      |
|         |                   | scale_complexity4pt | Marzano Complexity scale value (1-4)        |
|         |                   | lo_webb_dok         | Webb's Depth of Knowledge scale value (1-4) |
|         |                   | lo_fink_taxonomy    | Fink taxonomy scale value (1-6)             |
|         |                   | lo_esil_lens        | ESIL lens scale values (E, S, I, L)         |



## Program JSON files (Level 3)

In general, the structure of the program file download contains the following objects:

| Root v1.18B                                                                                                                                                                                                                                                                                                                        | Root v1.18A                                                                                                                                                                                                                                                                                                                        |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>→ programs</li><li>→ courses</li><li>→ bundles</li><li>→ los</li><li>→ details</li><li>→ mappedOutcome</li><li>→ outcomes</li><li>→ c_layers</li><li>→ outcomesets</li><li>→ activities</li><li>→ engagements_active</li><li>→ links</li><li>→ loscale</li><li>→ formatVersion: 14</li></ul> | <ul style="list-style-type: none"><li>→ programs</li><li>→ courses</li><li>→ bundles</li><li>→ los</li><li>→ details</li><li>→ mappedOutcome</li><li>→ outcomes</li><li>→ c_layers</li><li>→ outcomesets</li><li>→ activities</li><li>→ engagements_active</li><li>→ links</li><li>→ loscale</li><li>→ formatVersion: 13</li></ul> |

Note: Each design element (programs, courses, bundles, los, details, mappedOutcome, outcomes, c\_layers, outcomesets, activities, engagements\_active, links, loscale) has a unique design identifier in this file.

Descriptions match to the ones in the course section, with these additions.

|          |                   |         |                                                              |
|----------|-------------------|---------|--------------------------------------------------------------|
| programs |                   |         | this holds properties associated with the program            |
|          | design identifier |         | identifier for design element                                |
|          |                   | id      | program identifier given by the institution                  |
|          |                   | name    | name of program                                              |
|          |                   | icon    | File name of given icon (e.g. p_16)                          |
|          |                   | courses | array that holds identifiers for courses within this program |

|  |  |                      |                                                                                                                                                                                                                                                                                                                                                                            |
|--|--|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  | default_state        | Default state of the program's courses. See state of course.                                                                                                                                                                                                                                                                                                               |
|  |  | default_bundle_type  | Default bundle type<br>"" (empty string) - bundle<br>"MODULE" - module<br>"UNIT" - unit<br>"CHAPTER" - chapter<br>"SUBUNIT" - subunit<br>"SECTION" - section<br>"WEEK" - week<br>"PROJECT" - project<br>"TOPIC" - topic<br>"SUBTOPIC" - subtopic                                                                                                                           |
|  |  | outcomesets          | array that holds identifiers for program outcome sets that are associated with this program.<br>Note: Might include outcomesets from higher levels of hierarchy (program and institution in course file, institution in program file) if at least one lo is mapped to such an outcome.                                                                                     |
|  |  | show_courses_ids     | A boolean value that controls whether the course IDs are displayed                                                                                                                                                                                                                                                                                                         |
|  |  | default_courses_sort | Controls whether courses are displayed sorted by course ID or by course name. The accepted values are "id" and "name". Default is id.                                                                                                                                                                                                                                      |
|  |  | default_lo_scale     | Sets a default scale on the program level (can be overridden if a different scale is chosen on the course level). Values are provided below:<br>No scale chosen = ""<br>IRMA = "irma"<br>Marzano Complexity = "4pt_complexity_scale"<br>Simplified Bloom = "lo_scale3"<br>Bloom = "lo_scale5"<br>Webb's Depth of Knowledge = "webb_dok"<br>Fink Taxonomy = "fink_taxonomy" |
|  |  | c_layer              | Sets a default c-layer name on the program level. Values are provided below<br>C-layer = "" (empty string)<br>Competency = "competency"<br>Course Goal = "course_goal"<br>Course Learning Objective = "course_learning_objective"<br>Course Learning Outcome = "course_learning_outcome"                                                                                   |

|  |  |  |                                                                                                                                                                                               |
|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |  | Course Outcome = "course_outcome"<br>Course Objective = "course_objective"<br>Cluster = "cluster"<br>Learning Goal = "learning_goal"<br>Student Learning Outcome = "student_learning_outcome" |
|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Division JSON files (Level 2)

In general, the structure of the division file download is the same as the program file download (just containing more data and possibly outcome sets not specifically associated with courses or programs). The file contains the following objects:

| Root v1.18B                                                                                                                                                                                                                                                                                                                                                                                        | Root v1.18A                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"><li>→ divisions</li><li>→ programs</li><li>→ courses</li><li>→ bundles</li><li>→ los</li><li>→ mappedOutcome</li><li>→ outcomes</li><li>→ details</li><li>→ c_layers</li><li>→ paths</li><li>→ outcomesets</li><li>→ activities</li><li>→ engagements_active</li><li>→ links</li><li>→ loscale</li><li>→ courseresferences</li><li>→ formatVersion: 14</li></ul> | <ul style="list-style-type: none"><li>→ divisions</li><li>→ programs</li><li>→ courses</li><li>→ bundles</li><li>→ los</li><li>→ mappedOutcome</li><li>→ outcomes</li><li>→ details</li><li>→ c_layers</li><li>→ paths</li><li>→ outcomesets</li><li>→ activities</li><li>→ engagements_active</li><li>→ links</li><li>→ loscale</li><li>→ courseresferences</li><li>→ formatVersion: 13</li></ul> |

|           |                   |             |                                                                                                      |
|-----------|-------------------|-------------|------------------------------------------------------------------------------------------------------|
| divisions |                   |             | this holds properties associated with the division (the Level-2 Folder)                              |
|           | design identifier |             | identifier for design element                                                                        |
|           |                   | name        | name of division                                                                                     |
|           |                   | programs    | Array of program identifiers                                                                         |
|           |                   | outcomesets | array that holds identifiers for institution outcome sets that are associated with this institution. |
|           |                   | c_layer     | Sets a default c-layer name on the division level.                                                   |

|  |  |                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|--|--|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  |  |                                              | <p>Values are provided below:</p> <p>C-layer = "" (empty string)</p> <p>Competency = "competency"</p> <p>Course Goal = "course_goal"</p> <p>Course Learning Objective = "course_learning_objective"</p> <p>Course Learning Outcome = "course_learning_outcome"</p> <p>Course Outcome = "course_outcome"</p> <p>Course Objective = "course_objective"</p> <p>Cluster = "cluster"</p> <p>Learning Goal = "learning_goal"</p> <p>Student Learning Outcome = "student_learning_outcome"</p> |
|  |  | <p>banner1</p> <p>banner2</p> <p>banner3</p> | <p>Sets 1st, 2nd and 3rd icon associated with the division. Possible values are provided below:</p> <p>&lt;empty string&gt;</p> <p>d_0</p> <p>d_1</p> <p>...</p> <p>d_106</p> <p>u_1</p> <p>u_2</p> <p>u_50</p> <p>p_1</p> <p>p_2</p> <p>...</p> <p>p_150</p>                                                                                                                                                                                                                           |

Unlike programs and course files, the division file doesn't replace proxy courses with the content of the source course. It preserves the relationship. This causes courses to get new fields to hold the relationship to shared courses (whether one is there or not).

|         |                   |            |                                                                                                                                                                                      |
|---------|-------------------|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| courses |                   |            | this holds properties associated with the course                                                                                                                                     |
|         | design identifier |            | identifier for design element                                                                                                                                                        |
|         |                   | references | Array of references to courses for which this course is the source one. The array is empty ([]) if the course isn't reused in other programs. Refers to courserferences objects set. |
|         |                   | source     | Id of the ref to the source course. Always exists. The ref fields are empty if the course isn't a shared one. Refers to paths objects set.                                           |

|       |                   |         |                                                                                      |
|-------|-------------------|---------|--------------------------------------------------------------------------------------|
| paths |                   |         | this holds paths like program/course                                                 |
|       | design identifier |         | identifier for design element                                                        |
|       |                   | program | Array of 0 or 1 elements. If it contains an element, the element is id of a program. |
|       |                   | course  | Array of 0 or 1 elements. If it contains an element, the element is id of a course.  |

|                  |                   |         |                                      |
|------------------|-------------------|---------|--------------------------------------|
| coursereferences |                   |         | this holds paths like program/course |
|                  | design identifier |         | identifier for design element        |
|                  |                   | course  | id of a program.                     |
|                  |                   | program | id of a course.                      |

Note: Each design element (divisions, programs, courses, bundles, los, mappedOutcome, outcomes, details, c\_layers, paths, outcomesets, activities, engagements\_active, coursereferences) has a unique design identifier in this file.

## Institution JSON files (Level 1)

Importing institutions (Level-1 Folder) is only available to Coursetune support as it overwrites the existing file.

## Outcome Set JSON files

In general, the fields of the outcome set file download are the same as the fields in the other files, just organized into an outcome set and the associated outcomes. The file contains the following objects:

|             |             |
|-------------|-------------|
| Root v1.18B | Root v1.18A |
|-------------|-------------|

|                                                    |                                                    |
|----------------------------------------------------|----------------------------------------------------|
| → outcomesets<br>→ outcomes<br>→ formatVersion: 14 | → outcomesets<br>→ outcomes<br>→ formatVersion: 14 |
|----------------------------------------------------|----------------------------------------------------|

|             |                   |             |                                                                           |
|-------------|-------------------|-------------|---------------------------------------------------------------------------|
| outcomesets |                   |             | array that holds identifiers for outcome sets                             |
|             | design identifier |             | identifier for design element                                             |
|             |                   | id          | outcome set identifier given by user                                      |
|             |                   | name        | short name used to identify the outcome set                               |
|             |                   | description | full description of the outcome set                                       |
|             |                   | outcomes    | array that holds the design identifiers for outcomes included in this set |

|          |                   |             |                                                                                |
|----------|-------------------|-------------|--------------------------------------------------------------------------------|
| outcomes |                   |             | outcomes (listed under the outcome set in the right-hand Mappings panel)       |
|          | design identifier |             | identifier for design element                                                  |
|          |                   | id          | outcome identifier given by user                                               |
|          |                   | name        | short name used to identify the outcome                                        |
|          |                   | description | full description of the outcome                                                |
|          |                   | suboutcomes | array of outcomes course identifier associated with the outcome as suboutcomes |