Cambs moodle network

Presentation 3
11:30 – 12:00

Using ContentGenerator.net for enjoyable, automatic assessment in Moodle

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Example game to play .
See EffectiveICT.co.uk for online version

Cambs moodle network

Content Generator .net

SCORM

TM

Background

- Our websites –
  - SchoolHistory.co.uk
  - ReviseICT.co.uk
  - MusicAtSchool.co.uk
- Engaging students, grabbing attention
- Interactive games
  - ‘trick’ students into learning?

moodle + Flash

- Engaging content
- Interactive
- Huge potential
  - Positive: enthusiasm, design, whizz-bang!
  - Negative: style over content?

- Downloadable software
- Generate your own custom activities
- Produces custom .swf (Flash) file
- No need for Flash authoring skills

Examples

Usage of ContentGenerator.net

- Ideal for starters and plenaries
- Used by a huge number of teachers – over 13,500 registrations since 2004.
- Range of entertaining games
  - Competitive elements
  - Joke violence / humiliation of teachers

Usage of ContentGenerator.net

- Mostly low-level learning activities
- Yet do slot in really well into Moodle just as an uploaded resource
  - Praised by Mr Moodle himself
- Possible higher level usage too
  - students as authors
  - revision & transition work

However…

S.C.O.R.M.

- Sharable
- Content
- Object
- Reference
- Model

msmanifest.xml | SCOHelper.js | swfobject.js

Code | Split | Design | Title: | Check Page

```
7   */
8   if(typeof deconcept=="undefined"){var deconcept=new Object();}if(typeof deconcept.util=="undefined"){deconcept.util=new Object();}
    (typeof deconcept.SWFObjectUtil=="undefined"){deconcept.SWFObjectUtil=new Object();}deconcept.SWFObject=function(_1,id,w,h,_5,c,_7
    _8,_9,_a){if(!document.getElementById){return;}this.DETECT_KEY=_a?_a:"detectflash";this.skipDetect=deconcept.util.
    getRequestParameter(this.DETECT_KEY);this.params=new Object();this.variables=new Object();this.attributes=new Array();if(_1){this.
    setAttribute("swf",_1);}if(id){this.setAttribute("id",id);}if(w){this.setAttribute("width",w);}if(h){this.setAttribute("height",h)
    if(_5){this.setAttribute("version",new deconcept.PlayerVersion(_5.toString().split(".")));}this.installedVer=deconcept.SWFObjectUt
    .getPlayerVersion();if(!window.opera&&document.all&&this.installedVer.major>7){deconcept.SWFObject.doPrepUnload=true;}if(c){this.
    addParam("bgcolor",c);}var q=_7?_7:"high";this.addParam("quality",q);this.setAttribute("useExpressInstall",false);this.setAttribut
    "doExpressInstall",false);var _c=(_8)?_8:window.location;this.setAttribute("xiRedirectUrl",_c);this.setAttribute("redirectUrl","")
    if(_9){this.setAttribute("redirectUrl",_9);}};deconcept.SWFObject.prototype={useExpressInstall:function(_d){this.xiSWFPath=!_d?
    "expressinstall.swf":_d;this.setAttribute("useExpressInstall",true);},setAttribute:function(_e,_f){this.attributes[_e]=_f;},
    getAttribute:function(_10){return this.attributes[_10];},addParam:function(_11,_12){this.params[_11]=_12;},getParams:function(){
    return this.params;},addVariable:function(_13,_14){this.variables[_13]=_14;},getVariable:function(_15){return this.variables[_15];
    getVariables:function(){return this.variables;},getVariablePairs:function(){var _16=new Array();var key;var _18=this.getVariables
    for(key in _18){_16[_16.length]=key+"="+_18[key];}return _16;},getSWFHTML:function(){var _19="";if(navigator.plugins&&navigator.
    mimeTypes&&navigator.mimeTypes.length){if(this.getAttribute("doExpressInstall")){this.addVariable("MMplayerType","PlugIn");this.
    setAttribute("swf",this.xiSWFPath);}_19="<embed type=\"application/x-shockwave-flash\" src=\""+this.getAttribute("swf")+"\"
    width=\""+this.getAttribute("width")+"\" height=\""+this.getAttribute("height")+"\" style=\""+this.getAttribute("style")+"\"";_19+
     id=\""+this.getAttribute("id")+"\" name=\""+this.getAttribute("id")+"\" ";var _1a=this.getParams();for(var key in _1a){_19+=[key]
    "=\""+_1a[key]+"\" ";}var _1c=this.getVariablePairs().join("&");if(_1c.length>0){_19+="flashvars=\""+_1c+"\"";}_19+="/>";}else{if
    this.getAttribute("doExpressInstall")){this.addVariable("MMplayerType","ActiveX");this.setAttribute("swf",this.xiSWFPath);}_19="
    <object id=\""+this.getAttribute("id")+"\" classid=\"clsid:D27CDB6E-AE6D-11cf-96B8-444553540000\" width=\""+this.getAttribute(
    "width")+"\" height=\""+this.getAttribute("height")+"\" style=\""+this.getAttribute("style")+"\">";_19+="<param name=\"movie\"
    value=\""+this.getAttribute("swf")+"\" />";var _1d=this.getParams();for(var key in _1d){_19+="<param name=\""+key+"\" value=\""+_1
    key]+"\" />";}var _1f=this.getVariablePairs().join("&");if(_1f.length>0){_19+="<param name=\"flashvars\" value=\""+_1f+"\" />";}_1
    +="</object>";}return _19;},write:function(_20){if(this.getAttribute("useExpressInstall")){var _21=new deconcept.PlayerVersion([6,
    65]);if(this.installedVer.versionIsValid(_21)&&!this.installedVer.versionIsValid(this.getAttribute("version"))){this.setAttribute
    "doExpressInstall",true);this.addVariable("MMredirectURL",escape(this.getAttribute("xiRedirectUrl")));document.title=document.tit
    slice(0,47)+" - Flash Player Installation";this.addVariable("MMdoctitle",document.title);}}if(this.skipDetect||this.getAttribute(
    "doExpressInstall")||this.installedVer.versionIsValid(this.getAttribute("version"))){var n=(typeof _20=="string")?document.
    getElementById(_20):_20;n.innerHTML=this.getSWFHTML();return true;}else{if(this.getAttribute("redirectUrl")!=""){document.locatio
    replace(this.getAttribute("redirectUrl"));}}return false;}};deconcept.SWFObjectUtil.getPlayerVersion=function(){var _23=new
    deconcept.PlayerVersion([0,0,0]);if(navigator.plugins&&navigator.mimeTypes.length){var x=navigator.plugins["Shockwave Flash"];if(
    x.description){_23=new deconcept.PlayerVersion(x.description.replace(/([a-zA-Z]|\s)+/,"").replace(/(\s+r|\s+b[0-9]+)/,".").split(
    ));}}else{if(navigator.userAgent&&navigator.userAgent.indexOf("Windows CE")>=0){var axo=1;var _26=3;while(axo){try{_26++;axo=new
    ActiveXObject("ShockwaveFlash.ShockwaveFlash."+_26);_23=new deconcept.PlayerVersion([_26,0,0]);}catch(e){axo=null;}}}else{try{var
    axo=new ActiveXObject("ShockwaveFlash.ShockwaveFlash.7");}catch(e){try{var axo=new ActiveXObject("ShockwaveFlash.ShockwaveFlash.6
    _23=new deconcept.PlayerVersion([6,0,21]);axo.AllowScriptAccess="always";}catch(e){if(_23.major==6){return _23;}}try{axo=new
```

S.C.O.R.M.

Way to track e-Learning

moodle + SCORM

- Tracking scores & usage
- Key feature of Moodle
- Huge potential
  - Positive: tracking, AFL, student ownership
  - Negative: complex, annoying & frustrating

(moodle +)

+

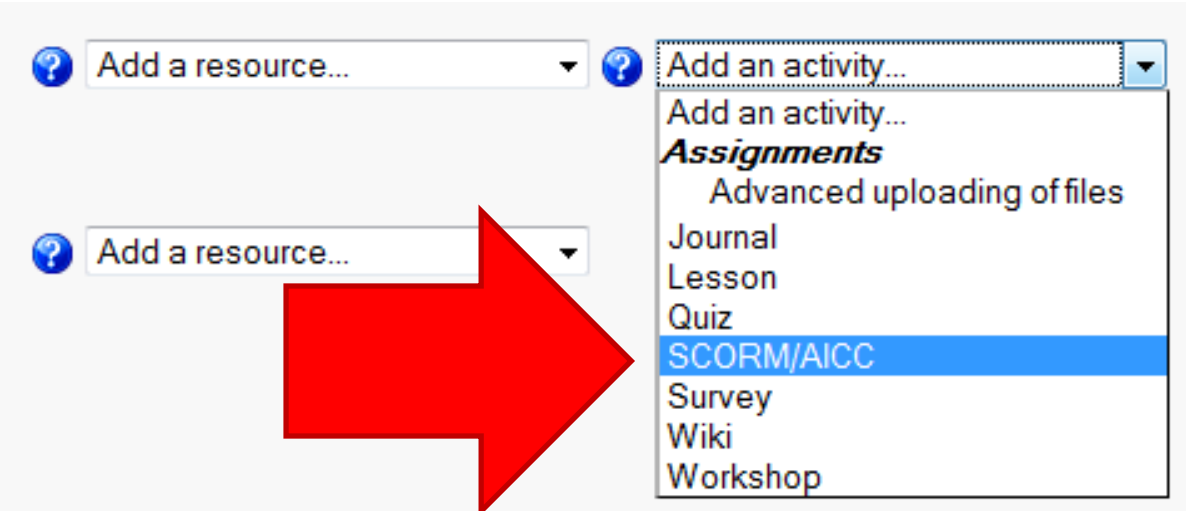
(moodle + SCORM)

=

moodle + Content Generator .net

Generate SCORM automatically

- New versions of programs generate:
  - standard .swf (Flash) file
  - *or* complex .zip SCORM package
- Removes need to program SCORM
- SCORM uploads via 'Add an activity' option



Moodle Gradebook

load in Excel format | Download in text format

ders Grades

ers challenge Total ↓↑ Stats					Student Sort by Lastname Sort by Firstname
Raw %		100	Percent		
		75%	75	75%	Jak
		60%	60	60%	drew
		56%	56	56%	CK, Hannah
		50%	50	50%	N, Daniel
, Michael	50	50%	50	50%	, Michael
, Thomas	45	45%	45	45%	N, Thomas
Gary	40	40%	40	40%	ry
Bobby	35	35%	35	35%	bby
, Samantha	30	30%	30	30%	ON, Samantha
D, Graham	30	30%	30	30%	OD, Graham
Rebecca	30	30%	30	30%	, Rebecca
L, Shauni	30	30%	30	30%	ALL, Shauni
Brooke	30	30%	30	30%	ooke
Sophie	30	30%	30	30%	Sophie
Y, Amy	25	25%	25	25%	, Amy
Thomas	20	20%	20	20%	homas
N, Gina	20	20%	20	20%	, Gina
N, Sarah	10	10%	10	10%	ON, Sarah
S, Max	10	10%	10	10%	S, Max

Surnames removed

Surnames removed

Neale-Wade Community College - ... | OCR20: Grades

OCR National Unit 20

You are logged in as Andrew Field (Logout)

Moodle ▶ OCR20 ▶ Grades ▶ Invaders

Separate groups 10P2 IT

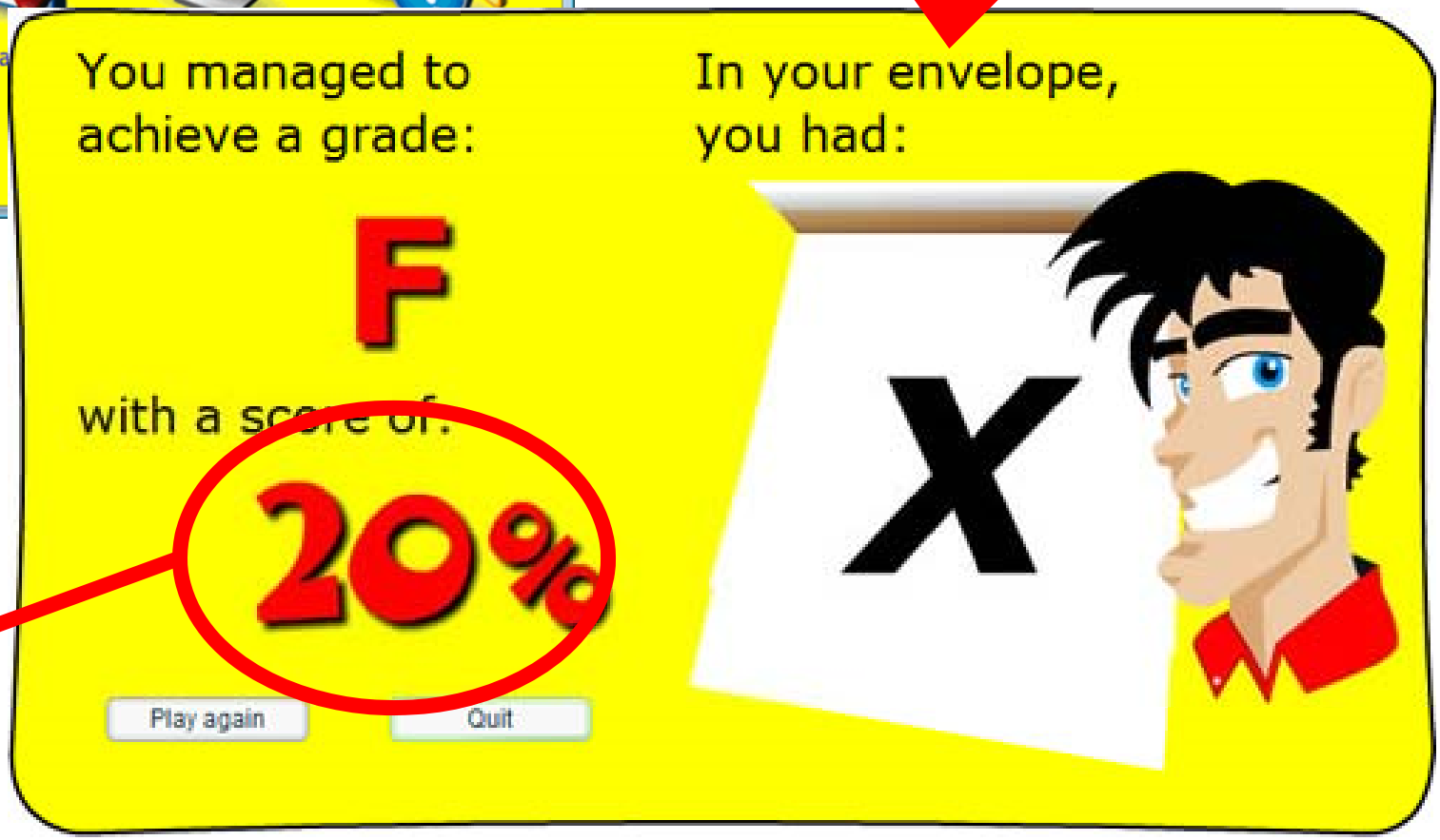
View Grades | Set Preferences | Set Categories | Set Weights | Set Grade Letters | Grade Exceptions

Download in ODS format | Download in Excel format | Download in text format

Invaders Grades

Student Sort by Lastname Sort by Firstname	Teacher Invaders challenge 100	Raw %	Total 100	Percent	Stats	Student Sort by Lastname Sort by Firstname
MOORE, Jak	75	75%	75	75%		MOORE, Jak
FAY, Andrew	60	60%	60	60%		FAY, Andrew
LIFSHACK, Hannah	56	56%	56	56%		LIFSHACK, Hannah
CARMAN, Daniel	50	50%	50	50%		CARMAN, Daniel
TWIDDY, Michael	50	50%	50	50%		TWIDDY, Michael
WATSON, Thomas	45	45%	45	45%		WATSON, Thomas
HILL, Gary	40	40%	40	40%		HILL, Gary
Betts, Bobby	35	35%	35	35%		Betts, Bobby
ATKINSON, Samantha	30	30%	30	30%		ATKINSON, Samantha
ELLWOOD, Graham	30	30%	30	30%		ELLWOOD, Graham
HARVEY, Rebecca	30	30%	30	30%		HARVEY, Rebecca
MARSHALL, Shauni	30	30%	30	30%		MARSHALL, Shauni
Scott, Brooke	30	30%	30	30%		Scott, Brooke
WAITE, Sophie	30	30%	30	30%		WAITE, Sophie
KELWAY, Amy	25	25%	25	25%		KELWAY, Amy
DAVIS, Thomas	20	20%	20	20%		DAVIS, Thomas
NORTON, Gina	20	20%	20	20%		NORTON, Gina
SHANNON, Sarah	10	10%	10	10%		SHANNON, Sarah
THOMAS, Max	10	10%	10	10%		THOMAS, Max
COUSINS, Alexander	0	Excluded%	0	0%		COUSINS, Alexander

Standard game...



but...

Grade or No Grade Generator - ContentGenerator.net

Main game settings

View support forum

SCORM options:

* Click to change

SCORM-compliant .zip fille will be produced

Game title: Gathering Data

Author(s): Mr Field

Questions: 20

Generate separate list of questions? ☐ Yes ☑ No

You have chosen to generate a SCORM compliant learning object. Only select this option if you are planning to import your game into a Virtual Learning Environment such as Moodle.

Review questions

Game settings

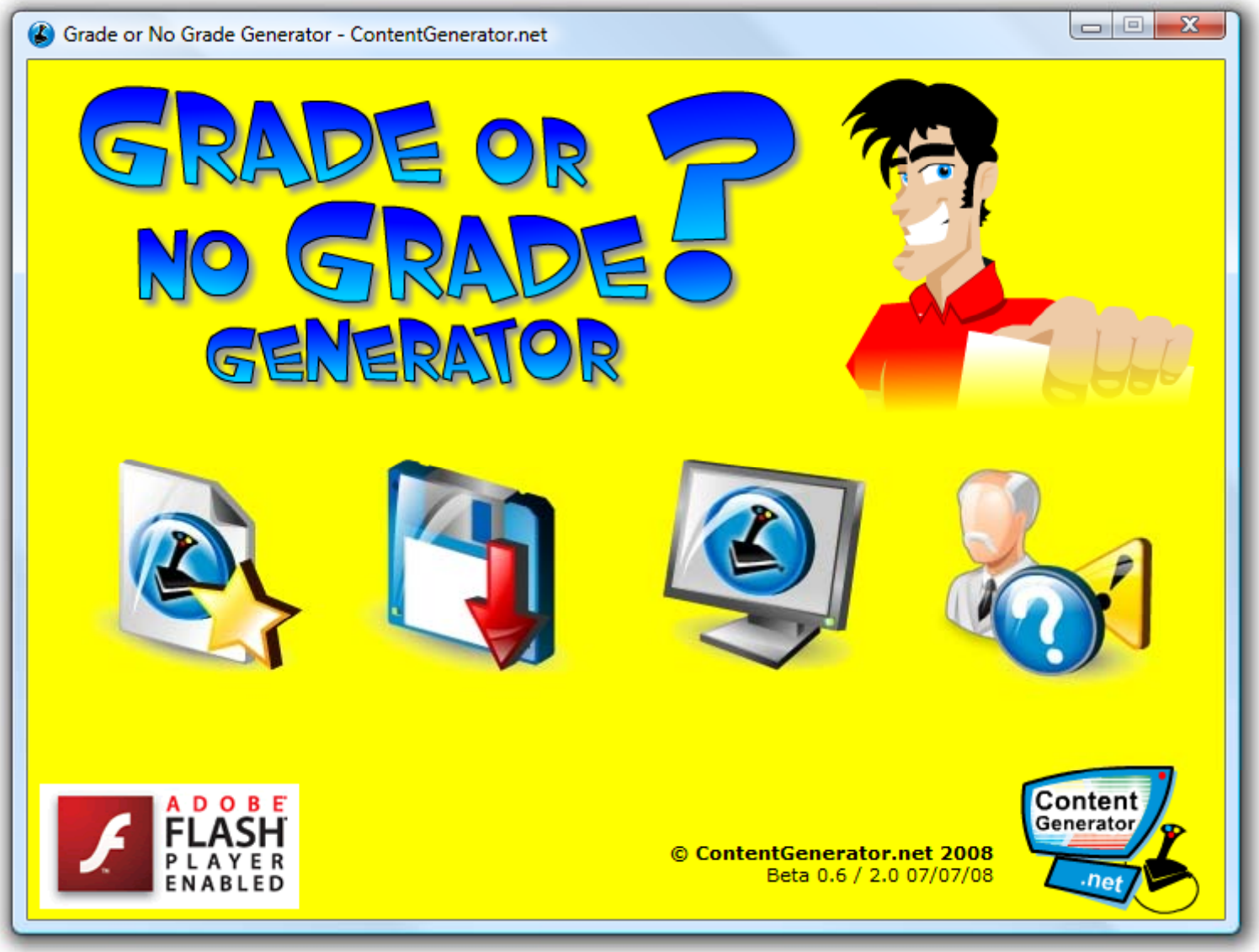
moodle + + SCORM + Content Generator .net

- Trackable interactive elements
- Change the way you use Moodle
- Ideal outside of ‘classroom’

moodle + + SCORM + Content Generator .net

- Higher level + more open
- Tool for learning
- Extending good practice

GRADE OR NO GRADE ?
GENERATOR
ADOBE FLASH PLAYER ENABLED
Teacher Invaders generator - ContentGenerator.net
TEACHER INVADERS
GENERATOR
ADOBE FLASH PLAYER ENABLED
Penalty Shootout Generator - ContentGenerator.net
PENALTY SHOOTOUT
GENERATOR
ADOBE FLASH PLAYER ENABLED
© ContentGenerator.net 2008
Version RC2 / 3.0 02/06/08
Content Generator .net
SCORM example


Grade or No Grade Generator - ContentGenerator.net
GRADE OR NO GRADE?
GENERATOR
ADOBE FLASH PLAYER ENABLED
© ContentGenerator.net 2008
Beta 0.6 / 2.0 07/07/08
Content Generator
.net

moodle + + SCORM + Content Generator .net

Why bother?

- Live scoreboard in class
- Trackable homework
- Great personalised AFL tool
- Retains visual impact but with added value

moodle + + SCORM + Content Generator .net

Workshop will give you a chance to generate your own SCORM activities

moodle + + SCORM + Content Generator .net

- *Explore +ve & -ves of SCORM*
- *Use the software*
- *Upload to CambsMoodle*
- *See the benefits in action*

ContentGenerator.net/forum

Cambs moodle network

Using ContentGenerator.net for enjoyable, automatic assessment in Moodle